File on eDOCs ____ (Yes) ____ No
Site Name Sinclair Refinery
Site No. 902003
County Allegany
Town Wellsville
Foilable ____ (Yes) ____ No
File Name Documents / Reports
Scanned & eDOC ____

Report. HW902003. 1991-12. RA_Genesee_Partial_Channelization_Vol 4.

ARCO

Remedial Action Report
Genesee River Partial Channelization
Sinclair Refinery Site
Wellsville, New York

December 1991

Prepared by

EBASCO

An ENSERCH® Engineering and Construction Company

VOLUME 4 OF 7

BEDDING

FORM A-7
SHEET ___ OF ___
INSPECTION DATE 10/2/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: None Required

4. BEDDING LOCATION

DIKE STATION 5+50 TO 6+50

5. REMARKS

INSPECTOR Frank Gontowski / Pete Porter DATE 10/2/90

REVIEWED BY MA DATE 10/9

RIP RAP

SHEET ___ OF ___
INSPECTION DATE 10/2/90

	ACCEPT	REJECT	N A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X	___	___
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X	___	___
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X	___	___
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3,-0 INCHES	X	___	___
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X	___	___

3. DUST CONTROL

ACTION TAKEN: None Required

4. RIPRAP LOCATION

DIKE STATION 5+75 TO 6+50

5. REMARKS [redacted]

INSPECTOR Frank Goontosky / Pete Porter DATE 10/2/90

REVIEWED BY [redacted] DATE 10.9

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-2-90

Work Areas Checked: East bank
North of CELA

Employees Present in Work Areas: Scott Hunt, Norm Tracy, Dail Reed, Phil Smith, Grant Marchele, Bob McKinstrie mckam, Dave Dekker, Pete Sutter, Frank Dantowski, Shirt E. Thayer

Equipment Being Utilized: 2 trackhoes, 2 dozers, 2 loaders, compactor, Grader, Roller

PPE Being Utilized: level - D

Accidents/Breeches of Procedures:
none

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-2-90

Equipment: HNu, CGI, Minimum

Real-Time Air Monitoring Results and Work Area

no levels above background/normal were found on the HNu, CGI, minimum during operations on the west bank today.

Personnel Sampling none

Name	Date	IWA

Calibration Method for Equipment

HNu = 11 ppm Isobutylene
CGI = 15% O_2, 50% LEL
Minimum = 7-day for Benzene

[redacted] East Bank soil [redacted], stone, paving and [redacted] plant & the North [redacted]

PM Activities: same as AM. Also Tie trenching on the east bank

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Time: 0930, Temp ≈ 50°F, North wind
Time: 1715, Temp ≈ 63°F, Sunny, N.W. wind

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
10/2/90 - 0931	5+75	HNU	PI 101	Cal = 111 ppm Isobutylene Bg = 0.5 ppm	0.5 ppm	Real Time
10/2/90 - 0932	5+75	Miniram	PDM-3	7 bag for Zeroing	0.00 mg/m3	K.J
10/2/90 - 0933	5+75	CGI	261	15% O2, 50% LEL	21.1% O2, 0% LEL	K.J
10/2/90 - 1717	4+00	HNU	PI 101	Same	0.5 ppm	K.J
10/2/90 - 1718	4+00	Miniram	PDM-3	Same	0.00 mg/m3	K.J
10/2/90 - 1719	4+00	CGI	261	Same	20.1% O2, 0% LEL	K.J

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 2 OCT 90

No./Name	Time In/Out	Time In/Out	Remarks IN/OUT 3:46/3:48 IN/OUT 4:04/4:15
C-1 D. Dekker	6:43 / 7:28 7:41/8:12	9:29/11:38 12:11/12:24 1:05/2:11	2:57/3:42
C-2 L. Dekker	6:43 / 12:24	1:05 /	
C-3 P. Porter	6:45 / 8:54 12:11/1:11	5:03/5:28	
C-4 A. Muellerleile	7:14 / 9:02 9:34/9:57	10:36/12:18 1:34/1:54	2:35/2:41 3:13/
C-5 C. Ettinger	6:54 / 8:19 9:10/10:40	12:58/2:30 2:50/2:54	5:07
C-6 F. Gontowski	6:51 / 10:18 10:55/12:31	12:46/3:09 3:55/7:42	3:46/3:48 3:56/5:50
C-7 C. Chang	/	/	6:04
C-8 J. App	/	/	
C-9 G. Lazusky	6:53/2:41	3:13 / 5:41	
C-10 C. Carrow	6:53/8:14	5:12 / 5:41	
C-11 B. Mckim	6:35 / 5:57	/	
C-12 C. Mckim	6:38 / 9:05	/	
C-13 G. Reid	6:39 / 7:05	/	
C-14 N. Tracy	6:43 / 7:05	5:42 / 5:46	
C-15 G. Maichele	6:28 / 6:41	4:30 / 5:15	
C-16 S. Hunt	6:32 / 6:41	5:47 / 5:15	
C-17 P. Smith	6:41 /	/	
C-18 R. EDWARDS	6:36 / 7:06 8:23/8:38	11:55/12:40	6:10/6:12
C-19 R. BARTELS	6:53 / 8:14	1:53/1:54	5:12/5:42
C-20 T. ALLEN	6:59 / 7:06 7:36/7:38	8:23/8:38 11:55/11:56 12:39/12:40	6:10/6:15
E-1 G. Stiles	6:26/12:55	1:10/1:39	[redacted]
E-2 T. Granger	/	/	
E-3 S. Stiles	8:21 / 12:55	1:10 / 3:09	4:30
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:28 / 10:39	11:30/1:24	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	6:00 / 12:00	/	
S-5 A. Fox	2:00 / 6:30	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 2 OCT 90

No.	Name / Lic#	Time In/Out			Time In/Out			Remarks		
A1	N46572	7:11/7:18	7:35/7:42	7:58/8:04	8:20/8:27	8:42/8:48	9:04/9:12	9:28/9:35	9:54/10:02	
A2	CT1935	7:15/7:50	8:08/8:15	8:33/8:40	8:56/9:04	9:23/9:31	9:49/9:55	10:13/10:18	10:38/10:46	
A3	L92288	7:20/7:30	7:48/7:54	8:12/8:19	8:35/8:43	9:00/9:07	9:25/9:32	9:51/9:59	10:16/10:24	
A4	N46511	7:54/8:00	8:18/12:12	12:27/12:39	1:02/1:10	1:26/1:31	2:14/2:20	2:36/2:41	2:58/3:10	
~~A5~~										
A1	A6	10:20/10:26	10:43/10:52	11:09/11:18	11:41/11:48	12:04/12:A	12:37/12:49	1:05/1:15	1:32/1:37	1:59/2:00
A2	A7	11:04/11:10	11:27/11:33	11:52/12:00	12:20/12:27	12:45/12:54	1:12/1:19	1:40/1:46	2:03/2:10	2:29/2:34
A3	A8	10:40/10:48	11:07/11:13	11:30/11:37	11:55/12:04	12:24/12:3[illegible]	12:49/12:56	1:14/1:24	1:41/1:47	2:06/2:14
A4	A9	3:24/4:18								
~~A10~~										
A-1		2:17/2:22	2:39/2:45	3:01/3:07	3:26/3:31	3:49/3:55	4:08/4:[illegible]	4:33/4:39	4:55/5:00	5:19/5:26
A-2		2:53/3:07	3:19/3:23	3:46/3:48	4:06/4:11	4:29/4:34	4:51/4:58	5:10/5:24		
A-3		2:32/2:37	2:56/3:02	3:21/3:27	3:45/3:50	4:08/4:[illegible]	4:31/4:36	4:54/4:58	5:17/5:24	
A-4	[redacted]									
A5		2:50/2:55	3:56/4:04	5:30/5:40						HAULING GRAVEL

84 Loads

A-1 John Perkins T-9 Pakers A-5 Boyd Green JR GREENS TRKG
A-2 Russ Layton Red Giant "
A-3 Boyd Green SR T-10 "
A-4 Rich Burny T-8 "

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 2 OCT 90

No./Name	Time In/Out	Time In/Out	Remarks
Norm Ungerman A-10	6:56/		Working on unit running Excavator.
Tony Ludden	10:16/10:35		Shanley office equipment
UPS	10:17/10:28		Spc. delivery
Adams Septic	1:11/1:40		empty septic
Fed Ex	1:46/1:46		
Charlie Baker	2:03/2:04	3:34/3:43	To see P. Barker
RICK SCOTT	2:10/3:05		SHORT'S OIL
BLACK	5:28/5:29		WELDER

2 OCT 76

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

C-1, C-2, C-3, C-4, C-5, C-6 E-1 + E-3 still Working at 6:30pm No incidents

O'Grady

PROJECT ENTRY PERMIT

DATE: 10-2-90 TIME IN: _____ TIME OUT: 7pm

NAME: Dave Dekker

COMPANY: Canonie

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10-2-90 TIME IN: _____ TIME OUT: 7pm

NAME: LaVonne Dekker

COMPANY: Canonie

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10-2-90 TIME IN: — TIME OUT: 8:00

NAME: PETE PORTER

COMPANY: CANONIE

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10-2-90 TIME IN: — TIME OUT: 7:30

NAME: A. MUELLERLEILE

COMPANY: CANONIE

BADGE No: C-04

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10-2-90 TIME IN: — TIME OUT: 6:45

NAME: KURT ETTINGER

COMPANY: CANONIE

BADGE No: C-5

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10-2-90 TIME IN: — TIME OUT: 8:40 PM

NAME: FRANK GONTOWSKI

COMPANY: CANONIE

BADGE No: C-6

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
October 2, 1990

Arrived on site at 6:20 a.m.

Plan of Day
* Place clay, if it is dry enough
* Work on common fill placement
* Work rip rap east bank
* Work rip rap west bank

Asked Dave D. about Canonie's response to mod. He will check on it.

Vendor for copying machine returned the original unit. He told me they cannot fix it, and Sharp will not stand behind the warranty. He said we could put a piece of masking tape on the glass and mark it so the copies will run straight.

Work on west bank was progressing good.

Went to east bank. They were still having problems with the rip rap protection at Cole creek inlet. The river current is cutting the slope material before they can get it covered. And the labors cannot hold the fabric in place long enough to receive bedding material. Dave D. said that he was going to place cross beams and work down closer to the water line. They had completed grubbing, and were placing common fill in the old river channel.

Two of Norm Ungerman's trucks were setting idle most of the afternoon. They were using the 235 hoe to pick up and haul debris and stumps to common fill area.

Stubby suggested we let Canonie push dike across river at north end of NY dike and turn river into toe trench channel. Dave D. told me Stubby had told him we could dike the river at the shoal by the NY dike and turn the river into the toe trench. I told him to request in writing, and I would consider it.

Dave D. called and is going to work late at the inlet, probably until 8:00 p.m. I will be here.

Dave D. told me they have a bust in their survey ℄ at the west bank USCOE tie in - missing by 1' ± .

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
October 1, 1990

Arrived on site at 6:25 a.m.

Plan of Day
* Place clay on NY dike and north
* Relocate silt fence - north end of east bank
* Open new river channel
* Work rip rap east bank

Look at water in new channel. Everything looked good. Told Dave to remove dikes at each end.

New labor came in today - Ron Edwards.

New backhoe came.

Move Norm and his hoe to east bank.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

OCT 0 9 1990

EBASCO / ARCO

DATE: 10/1/90 DAY: Monday HRS.WRK. 10 REPORT NO: 98

WEATHER INFORMATION:

TEMPERATURE: High 67 Low 45 WIND: Mph. - Dir. -

PRECIPITATION: .03 HUMIDITY: 46% RIVER EL: AM 4.80 PM 4.73

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

Weather 9-30-90
High: 64
Low: 42
Precipitation: 0.22"

	F.E/I	1	R.E. 1
	H&SO		P.E. 1
	C/SE		QCM 1
	P.M.		H&SO 1
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS			CANONIE SUB. App Surveyors
"			SUPV. 1 EMPS. 2
USCOE/EPA	1		SUB. Ungerman Exc.
"			SUPV. 1 EMPS. 2

VISITORS See Security Log

MANUAL CANONIE GEN. Labor 2 Equip. Oper. 7

Truck Drivers (Ungerman Emps.) 2 Others 1

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5	5		5	
" 12G	8			
(Sheep) Compactor	10			
(Smooth) "	8			
Canonie Wtr. Trk		Offsite For Repairs		
Hertz Wtr. Trk	8			
(E. Bank) Cat 235	10			
Chipper		Stand-By		
Generator / Steam Genny		Stand-By		
1/2 ton pickup		Offsite For Repairs		
Mechanic Trucks & Tools	11			

MEETINGS:

PLAN OF DAY W. Bank Grade Off Wet Areas & Continue w/ Fill On NY Dike & North End; Continue Placing Geotextile & Bedding Stone; Place Riprap & Tie-In w/ NY Dike East Bank Continue Work @ Tributary; Close Old River Channel & Open New Channel; Remove Stumps & Haul To Sta. 3+00

SAFETY Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #604 (Construct West Bank Dike)
#605 (Place West Bank Riprap Protection)

EAST BANK See Daily Progress Report

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE	1.2	COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL(Babbitt)	CY	729.0
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	30.7
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	190.8 U. Bank
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	TONS	106.6
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL(Babbitt)	CY	729.0	ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS	1000	No	Security
SANITARY WSTE.	GALS	150	No	Security
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

SET TOE STAKES STA. 16+50 TO 18+00 (E. BANK); SLOPE STAKE NY DIKE 17+00 E.O.W.; STAKE OUT EXISTING GAS PIPELINE; GRADE TOE TRENCH AS EXCAVATED FROM STA. 18+00 TO 19+25 (E. BANK). COMPUTE VOLUMES

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	0+40	A-5	DIKE FILL		X	
2	18+40	A-5	DIKE FILL		X	
3	5+00	A-7	BEDDING		X	
4	8+00	A-6	GEOTEXTILE		X	
5	16+50	A-8	RIPRAP		X	
6						
7						
8						
9						
10						

COMMENTS PLACEMENT OF RIPRAP [redacted] WILL BE GRADED TO CONFORM W/ SPECIFIED TOLERANCES

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Testing completed for placement of Babbitt Dike Fill Sat. 9-29 and for Dike Fill placed today. Results will be included in Wed 10-3-90 Daily Report

TECHINICAL CONCERNS/PROBLEMS:

EALTH & SAFETY 10-1-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	7, 2, 1	70, 8, 2
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1050	20 to 00	HNu	Real Time	1 ppm
2	1052	20 to 00	Miniram	RT	0.00 mg/m³
3	1053	20 to 00	CGI	RT	20.2% O₂, 0% LEL
4	1634	8 to 50	HNu	RT	1 ppm
5	1635	8 to 50	Miniram	RT	0.00 mg/m³
6	1637	8 to 50	CGI	RT	20% O₂, 0% LEL
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1030	NY dike	2/Compactor	D	None
2	1300	East bank	5/2 Trucks/loader	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — Out: —

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

E-1 & E3 October 1, 1990

CB & C6

still onboard no incidents to log

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: FRANK GONTOWSKI | CLIENT: | DATE: 10-1-90

CLIENT: SINCLAIR REFINERY, WELLSVILLE, NY | PE/PS:

JOB NO: 88-093 | LOCATION OF WORK: WEST & EAST BANKS

ACTIVITY:

ACTIVITY ID # 604 (CONSTRUCT WEST BANK DIKE):

- PLACED BABBIT FILL ON NY DIKE; ALSO FROM STA. 0+00 TO 7+00
- WET SURFACE MATERIALS GRADED OFF PRIOR TO PLACING FILL
- FILL COMPACTED TO MEET CONTRACT SPECIFICATIONS

ACTIVITY ID # 605 (LAKE W. BANK RIPRAP PROTECTION):

- PLACED (UNROLLED) GEOTEXTILE ON SLOPES FROM STA. 6+50 TO 8+50
- PLACED BEDDING STONE FROM STA. 6+50 TO 8+80
- RIPRAP PLACED FROM STA. 16+40 TO 17+00
- ALL MATERIAL PLACEMENT WAS PERFORMED IN ACCORDANCE W/ CONTRACT SPECIFICATIONS, UNLESS OTHERWISE NOTED ELSEWHERE IN REPORT
- RIPRAP WAS WORKED INTO PLACE TO FILL THIN AREAS & PROVIDE A SURFACE WITHIN THE TOLERANCE STATED IN THE CONTRACT SPECIFICATIONS

EAST BANK:

- CONTINUED WORK ON TRIBUTARY & TRIBUTARY TRENCH
- REMOVED STUMPS & PLACED THEM @ STA. 3+00, NEXT TO HAUL ROAD FOR PLACEMENT IN OLD RIVER CHANNEL
- OPENED NEW CHANNEL
- BLOCKED OLD CHANNEL @ S. END & N. END
- SEINED RIVER FROM STA. 1+50 TO 6+00 Prior to blocking off south. end of channel

Activity ID # 606 (Grub E. Bank)

- Stumped Slopes and area to be cut. Sta 0+00 - Sta 8+50.
- Collected remaining stumps
- Placed all stumps next to old River Channel

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-5
SHEET ____ OF ____

FILL MATERIAL ABOVE WATER SURFACE

INSPECTION DATE 10/1/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BORROW MATERIAL OBTAINED FROM BORROW AREA APPROVED BY CONSTRUCTION MANAGER	X		
- FREE OF DEBRIS, ROOTS, ORGANIC OR FROZEN MATERIAL, STONES 3 INCH AND LARGER IN EQUIVALENT DIAMETER	X		
2. PLACEMENT			
- INSPECT KEY TRENCH FOR FREE STANDING WATER AND/OR ORGANIC MATERIAL BEFORE PLACEMENT OF DIKE FILL			X
- EXISTING GRADE IS SCARIFIED	X		
- MAXIMUM LOOSE LIFT OF 12"	X		
- INSPECT LAYER OF FILL OR EXISTING GRADE FOR PROPER MOISTURE CONTENT (± 2% OF OPTIMUM) PRIOR TO PLACEMENT OF NEXT LIFT.	X		
- SURVEYOR VERIFY DIKE ALIGNMENT, SLOPES, CONFIGURATION AND DIMENSIONS IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.	X		
3. VERIFICATION TESTING			
- 1 DENSITY TEST FOR EACH 750 CU. YDS. OR EACH AREA COMPLETED IN ONE DAY WHICHEVER IS LESS (AT LEAST 95% OF MAXIMUM DRY DENSITY)	X		
- 1 MOISTURE CONTENT TEST (BETWEEN +2% AND -2% OF OPTIMUM) FOR EACH 750 CU. YDS. OR EACH AREA COMPLETE IN ONE DAY WHICHEVER IS LESS.	X		

4. DUST CONTROL ACTION TAKEN: None Required

5. FILL LOCATION DIKE STATION 0+00 TO 7+00] West Bank
   16+50 to 22+31

6. REMARKS

INSPECTOR Frank Gontowski/Pete Porter DATE 10/1/90

REVIEWED BY [signature] DATE 10.9

FOR .-6
SHEET ____ OF ____

GEOTEXTILE

INSPECTION DATE 10/1/90

	ACCEPT	REJECT	N.A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 6+50 TO 8+50 West Bank

5. REMARKS Geotextile Placed Previously is Unrolled Up Slope Over Freshly Shaped & Graded Areas

INSPECTOR Frank Gantowski DATE 10/1/90

REVIEWED BY [illegible] DATE 10'9

FORM A-7
SHEET ____ OF ____
INSPECTION DATE ____

BEDDING

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: None Required

4. BEDDING LOCATION

DIKE STATION 6+50 TO 8+80 West Bank

5. REMARKS ____

INSPECTOR Frank Gontowski / Pete Porter DATE 10/1/90

REVIEWED BY MM DATE 10.9

RIP RAP

SHEET ___ OF ___
INSPECTION DATE _____

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3,-0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: None Required

4. RIPRAP LOCATION

DIKE STATION 116+40 TO 117+00 West Bank

5. REMARKS _____

INSPECTOR Frank Gontkowski/Pete Porter DATE 10/1/90

REVIEWED BY AM DATE 10.9

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-1-90

Work Areas Checked: NY dike
No. of CELA
East bank

Employees Present in Work Areas: Gail Reid, Norm Tracy, Bob McKim, Clint McKim, Cott Hunt, Phil Smith, Grant Maichele, Frank Gontowski, Dave Dekker, Kurt Ettinger

Equipment Being Utilized: 2 Trackhoes, 2 loaders, D-6 Dozer, Roller, Compactor, Grader

PPE Being Utilized: level D

Accidents/Breeches of Procedures: None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-1-90

Equipment: HNU, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

NO Levels were found above background/normal during operations on the west bank today

Personnel Sampling None

Name	Date	IWA

Calibration Method for Equipment

HNU = 111 ppm Isobutylene

Miniram = Z bag for Zeroing

CGI = 15% O_2, 50% LEL

[redacted] pm. Activities: Soil, stump & debris movement on east bank, Rip Wrap & stone placement on west bank d.k. at 14+00 and 7+00 area

Time: 1044, Temp ≈ 60°F, Sunny, East, moderate wind, varying

Time: 1633, Temp ≈ 62°F, pt sunny W. wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
10-1-90-1050	20+00	HNu	PI/01	Cal = 111 ppm Isobutylene		
10/1/90-1052	20+00	Miniram	PDM-3	Bg = 1 ppm Z-bag for Zeroing	1 ppm 0.00 mg/m³	Real Time K.J.
10/1/90-1053	20+00	CGI	261	15% O₂, 50% LEL	20.8% O₂, 0% LEL	K.J.
10/1/90-1634	8+50	HNu	PI101	Done	1 ppm	K.J.
10/1/90-1635	8+50	Miniram	PDM-3	Done	0.00 mg/m³	K.J.
10/1/90-1637	8+50	CGI	261	Done	20% O₂, 0% LEL	K.J.

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Oct. 1, 1990

No./Name	Time In/Out	Time In/Out	Remarks
			5:08/5:30 6:08/6:18
C-1 D. Dekker	6:36 / 8:30	10:9 / 12:24	12:57/1:04 1:41/1:58 4:00/4:44
C-2 L. Dekker	6:36 / 12:24	12:57/6:18	
C-3 P. Porter	6:46 / 8:54	9:30 / 11:36	12:05/12:25 12:55/2:45 4:35
C-4 A. Muellerleile	7:15 / 12:25	12:55/3:15	3:39/6:00
C-5 C. Ettinger	6:53 / 11:51	12:11 / 12:47	1:30/2:30 5:48
C-6 F. Gontowski	9:50 / ~~1~~ 2:37	3:20/2:45	4:35
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:45 / 12:38	12:46 / 4:38	
C-10 C. Carrow	6:45 / 9:36	2:14 / 2:39	5:23
C-11 B. Mckim	6:38 / 8:30	9:46/5:51	
C-12 C. Mckim	6:42 / 7:22	5:44/5:48	
C-13 G. Reid	6:38 / 7:22	5:44/5:45	
C-14 N. Tracy	6:42 / 5:44	6:4/11	
C-15 G. Maichele	6:28/6:38	6:35/12:47	12:52/6:19
C-16 S. Hunt	6:20/6:38	6:55/10:40	11:20/11:36 12:36/5:35 6:04/6:19
C-17 P. Smith	6:43/7:17	/	
C-18 R. Edwards	6:30/12:00	12:32/12:51	1:43/1:54 4:00/5:45
C-19 R. Curtels	6:45/9:36	5:23/5:45	
C-20 T. Allen	6:58/12:51	1:43/1:54	4:00/5:45
E-1 G. Stiles	6:31 / 10:13	10:25/12:48	1:35/3:11 4:00/
E-2 T. Granger	/	/	
E-3 S. Stiles	10:25/12:48	1:35/	
E-4 C. Swann	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:20/1:16	1:19 / 1:20	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	11:25/11:25	12:46/12:46	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	6:00/2:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 1 OCT 90

No./Name	Time In/Out		Time In/Out				
A2 1935	10:44/10:50	11:07/11:21	11:38/11:43	11:58/12:02	12:19/12:23	12:40/12:45
A3 6511	10:46/10:53	11:10/11:18	11:34/11:37	11:53/12:10	12:24/12:29	12:44/12:49
A4 2288	10:47/10:57	11:14/11:18	11:36/11:40	11:56/12:01	12:18/12:21	12:38/12:42
A5 8895	7:51/8:00	9:30/9:39				
A6 6512	12:10/12:46	5:30/				
A7	12:09/12:15	12:30/12:34	12:50/12:53	1:27/1:32	1:47/1:51	2:06/2:12
A2 1935	1:00/1:04	1:20/124	1:42/1:47	2:05/2:10	2:27/2:31	2:48/2:55
A3 6511	1:05/1:10	1:26/1:32	2:00/2:05	2:19/2:25	2:41/2:50	3:05/3:12
A4 2288	12:58/1:03	1:18/1:31	1:39/1:42	1:58/2:02	2:19/2:23	2:40/2:44
A6 6512	2:28/2:34	2:52/3:32	3:12/3:22	3:36/3:42	4:00/4:05	4:21/4:26
A7						
A2 1935	3:11/3:15	3:33/3:40	3:56/4:01	4:21/4:25	4:41/4:49	5:09/5:16
A3 6511	3:32/3:35	3:52/3:57	4:15/4:19	4:35/4:44	5:01/5:07	5:20/5:30
A4 2288	3:04/3:08	3:26/3:32	3:50/3:55	4:12/4:17	4:32/4:38	4:55/5:05
A7 6512	4:44/4:50	5:11/5:19				
A2 1935						
A3 6511						
A4 2288	5:20/5:27					
A7 6512						

A1	UNGERMAN	UNGERMAN
A2	LAYTON	BAKER
A3	BAKER	"
A4	GREEN SR	"
A5	GREEN JR	ALFRED/MIKE
A6	TIM VOGEL	UNGERMAN
A7	PERKINS	BAKER

72 LOADS

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: OCT. 1, 1990

No./Name	Time In/Out	Time In/Out	Remarks
~~Ron Edwards~~	~~6:30~~		To See ~~D~~ BAKER.
Charlie Baker	7:19/7:23		To See Pete and Dave
Tom Gowan	9:18/11:16		Beam Clean
Adams Septic	9:50/10:10		
UPS	10:23/10:25		P.M. delivery
Lost deliverer	10:33/10:33		
Norms Ungerman	10:40/5:59		Delivery of u back-hoe
Rick SEARS	11:03/11:16		Sheriff Oil Co.
Ed McFadden	11:05/~~11:06~~ 2:29		Backwith Machinery
John Danielson	11:20/11:26 12:05/1:00		
Pattons Pusy Box	12:25/12:31		Empty Dumpster
C. BAKER	4:51/4:57		BAKER. TRUCKING

PROJECT ENTRY PERMIT

DATE: 10-1 TIME IN: — TIME OUT: 8:55 pm

NAME: P. Porter

COMPANY: Canonie

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10.1 TIME IN: 7:20 TIME OUT: 8:00 pm

NAME: A. Mueller

COMPANY: CANONIE

BADGE No: C-8

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10-1 TIME IN: 9:50 am TIME OUT: 7:00 pm

NAME: FRANK GONTOWSKI

COMPANY: CANONIE

BADGE No: C-6

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 31, 1990

Plan of Day:

Canonie

* Receive and place bedding stone and rip rap on east dike.
* Fine grade top of dike and place road aggregate.
* Receive and place rip rap on west dike.
* Complete trimming of slope.

OHM

* Receive test fill gravel.
* Excavate and haul, dump and spread SLA material.
* Complete placement of test fill gravel layer.

Meyer

* Stake limits of SLA material on CELA.
* Take level measurements on settlement plates.

Empire

* Take three (3) nuclear and three (3) sand cone densities of track-walked SLA material.
* Take bulk sample to home lab for 5pt. Proctor.

Field Observations and Activities:

Canonie

* Continued rip rap placement in the trench on east side. Started excavating cut south of Station 21 on east side with scraper and hauling to common fill area. Sta. 3 to 7.
* Fine grading in progress on west dike.
* Continued dressing slopes on west dike.
* Placed bedding stone on south end of NY dike.
* Placed rip rap on west dike in upper half of slope.

OHM

* Excavated SLA material and dumped and spread with wide track dozer in designated storage area. Compaction given by wheels of hauling equipment and nominal track walking with wide track dozer.
* Stockpiled material (gravel) for test fill at north end after severe pumping of tar exposure by equipment entering test fill from south. Some loads brought in by track loader but this was terminated as too slow. Considering building filter fabric/gravel road in from north for transport of test fill material. Ground very soft and wet.
* Cleared expanded area around SLA storage area.

Empire

* Took three nuclears and three sand cone in SLA material. Moisture contents of over 100% were obtained. Moisture samples taken to home lab for controlled oven determination to check nuclear.
* Took bulk sample for Proctor #5 and delivered to home lab.

Meyer

* Read settlement plates and staked limits of SLA storage area.

Left site at 6:30 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 31, 1990

Arrived at 6:10 a.m.
Plan of Day:

Canonie
* Work dike slopes (inside) W/D
* Place rip rap on NY dike W/D
* Place slope protection - east bank.

OHM
* Place gravel at test/fill pad.
* Excavate SLA.

Doug Meyers
* Lay out CELA boundary.
* Check settlement plates.

Checked east bank - rip rap placement is almost complete. All of the rip rap that was used as a berm was removed today. Canonie started excavating material at south end of east bank with one scraper and dozer. They moved six loads and scraper broke down. The method was working well.

West bank: Completed placement of additional clay (1' +), fine grading of inside slope and placement of rip rap is working well.

Having problems getting the gravel to the test fill pad. We shifted to the north end, but have the same problems.

Ted Myers of the NYDEC was on site today.

Discussed operator problems with Dan R., OHM. He is aware of my concern.

Doug Meyers surveyors brought in the settlement plate readings. Very minor movement has occurred, even though we had placed one foot of gravel and run the heavy haulers over it. The area where the oil pool is open at the surface is not supporting equipment. We will look at bridging this area with additional fabric and stone.

RECEIVED
NOV 0 1 1990
EBASCO/ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 10/31/90 DAY: Wed. HRS.WRK. 10 REPORT NO. 113

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM 7:37 5.17 PM ____

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. ____

	F.E/I 1	R.E. 1	
	H&SO ____	P.E. 1	
	C/SE ____	QCM 1	
	P.M. ____	H&SO 1	
	HOP ____	P.M. ____	
	" ____	P.SEC 1	
	" ____	HOP ____	
ARCO	P.M. ____	" ____	
OTHERS	____	CANONIE SUB. ____	
"		SUPV. ____ EMPS. ____	
USCOE/EPA ____		SUB. ____	
" ____		SUPV. ____ EMPS. ____	
VISITORS ____			

MANUAL CANONIE GEN. Labor ____ Equip. Oper. ____

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	8			
" D-5	4	DECON'D FOR REMOVAL		
" 12G	8			
(Sheep) Compactor		STAND-BY		
(Smooth) "	5			
Canonie Wtr. Trk		OFF-SITE FOR REPAIR		
Hertz Wtr. Trk		STAND-BY		
(E. Bank) Cat 235	10			
Komatsu PC 200	8			
Generator / Steam Genny		STAND-BY		
½ ton pickup	10			
Mechanic Trucks	11			
CASE 1085		STAND-BY		

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	170-W. BANK 412-E. BANK
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	630.76
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY
CAT D-5	FJG	YES	

PAGE ____ OF ____

MEETINGS:

PLAN OF DAY W. Bank Continue w/ Riprap Placement & Shaping Of Inside Dike Slopes E. Bank Continue Placing Riprap To Grade In Toe Trench; Start Using Scraper To Make Cuts @ South End In Afternoon

SAFETY Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #604 - Construct West Bank Dike
#605 - Place West Bank Riprap Protection

EAST BANK #701 - Remove East Bank Cut Area
#703 - Construct East Bank Toe Trench

RIVER (Any activity performed in water or gravel bar)

OTHER

FIELD ENGINEERING ACTIVITIES: (surveyors)

SET GRADES ON EAST BANK & SET SHOULDER STAKES ON WEST BANK FROM STA. 5+50 TO 12+50

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. BANK [1	12+23 TO 12+75	A-8	RIPRAP			
E. BANK [2	10+00 TO 13+50	A-8	RIPRAP			
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

No accidents or incidents to report today. October 31, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

CLIENT: FRANK J. GONTOWSKI	DATE: 10/31/90
CLIENT: SINCLAIR REFINERY SITE	PE/PS
JOB NO: 88-093	LOCATION OF WORK: WELLSVILLE, NY

ACTIVITY: WEST BANK

ACTIVITY # 604 - CONSTRUCT WEST BANK DIKE

- SHAPED INSIDE SLOPES OF DIKE FROM STA. 5+00 TO NY DIKE
- SHAPING WORK PERFORMED WITH BACKHOE AND D-6
- TOPSOIL IN PLACE FROM STA. 5+00 TO 9+00
- DECONTAMINATED CAT D-5 DOZER FOR REMOVAL FROM SITE

ACTIVITY # 605 - PLACE WEST BANK RIPRAP PROTECTION

- PLACED RIPRAP ON UPPER PORTION OF SLOPES FROM STA. 12+25 TO 12+75
- SLOPES IN THIS AREA HAD PREVIOUSLY RECEIVED PLACEMENT OF GEOTEXTILE & BEDDING

EAST BANK

ACTIVITY # 701 - REMOVE EAST BANK CUT AREA

- PAY SCRAPER BEGAN CUT WORK IN AFTERNOON AT EXTREME SOUTH PORTION OF SITE
- APPROXIMATELY 88 CUBIC YARDS OF MATERIAL REMOVED & USED TO STABILIZE THE SCRAPER HAUL ROAD

ACTIVITY # 703 - CONSTRUCT EAST BANK TOE TRENCH

- RIPRAP PLACED IN TOE TRENCH TO GRADE FROM STA. 10+00 TO 13+50

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-8
SHEET ____ OF ____

RIP RAP

INSPECTION DATE 10/31/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: NONE REQUIRED

4. RIPRAP LOCATION

DIKE STATION 12+25 10+00 TO 12+75 13+50 W. BANK E. BANK

5. REMARKS

INSPECTOR PETE PORTER / ALAN MUELLER/LEVEE

DATE 10/31/90

REVIEWED BY

DATE 11-1

[redacted] liner trimming/dressing dike on well sank @ 1500 → 1030 area [redacted]

Last trimming on N. dike (OHM excavating SLA & moving contents to CELA), East dike

2.0 Work placement

PM Activities: same as AM

Time: 1010, Temp² 55°F, Sunny, slight NNW wind (varying)

Time: 1350, Temp² 57°F, pt cloudy, slight E wind (varying)

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
10/31/90 - 1019	6 Pad	HNu	PI101	Cal = 111ppm Isobutylene By = 0.5ppm	0.5ppm	Real Time
10/31/90 - 1120	Clean Rd just East of Trailers	HNu	PI101	Same	1ppm	Real Time
10/31/90 1355	Clean Rd just East of Trailers	HNu	PI101	Same	1.5ppm	RT
10/31/90 1608	Clean Rd just East of Trailers		PI101	Same	1ppm	RT
10/31/90 1645	7 Pad		PI101	Same	0.5ppm	RT
10/31/90 1700	Airport Zone yard		PI101	Same	0.5ppm	RT

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10/31/90

Work Areas Checked: East Bank
West Bank dike

Employees Present in Work Areas: D. Reid, N. Tracy, S. Michele, S. Hunt, P. Smith, B. Mackin, C. Mackin, P. Porter, K. Ettinger

Equipment Being Utilized: 2 trackhoes, Dozer, loader, Grader, Roller

PPE Being Utilized: Level D

5:00 Accidents/Breeches of Procedures: It was noticed that Elasco had an employee setting up compressed air bottles outside of the Arco trailer. These tanks included Hydrogen, Helium, and Zero air and were all strapped together to the side of the trailer. Also a number of other tanks had been bungied together outside of a supply trailer in the yard. These tanks also included Hydrogen, Helium, and Zero air. The Hydrogen tanks need to be isolated from the other compressed tanks (and label this area a "No smoking" area).

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-31-90

Equipment: HNu

Real-Time Air Monitoring Results and Work Area

no levels above bg. found in Canoose west bank work areas.

Personnel Sampling none

Name	Date	IWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

Boo !!!

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 31, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	6:59 / 12:01	12:33 / 2:56	3:15 / 5:41
C-3 P. Porter	6:36 / 7:08	7:32 / 12:48	1:25 / 1:30 2:30 / 2:51 3:02 / 3:48 5:08 / 6:13
C-4 A. Muellerleile	7:08 / 12:25	3:09 / 4:54	5:15 / 5:48
C-5 C. Ettinger	6:57 / 7:68	8:34 / 11:51	12:05 / 2:05 2:50 / 5:28
C-6 F. Gontowski	6:55 / 9:55	10:25 / 6:02	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:55 / 7:26	10:51 / 5:28	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:40 / 7:53	8:14 / 1:32	2:30 / 2:32 5:11 / 5:24
C-12 C. Mckim	6:36 / 7:02	1:26 /	
C-13 G. Reid	6:34 / 5:24	/	
C-14 N. Tracy	6:44 / 7:02	/	
C-15 G. Maichele	6:31 / 6:33	6:48 / 11:57	12:24 / 5:21 5:44 / 5:46
C-16 S. Hunt	6:30 / 6:33	6:48 / 9:58	10:46 / 11:52 12:05 / 1:21 2:09 / 5:21 5:44 / 5:50
C-17 P. Smith	6:41 / 7:02	/	
C-18 R. EDWARDS	6:50 / 7:53	8:14 / 11:57	12:30 / 12:43 1:25 / 1:30 2:08 / 5:03 5:24 / 5:35
C-19 R. BARTELS	6:55 / 7:26	10:51 / 12:01	12:23 / 5:26
C-20	/	/	
E-1 G. Stiles	6:17 / 8:48	9:17 / 11:48	12:55 / 3.50 4:18 / 5:49
E-2 T. Granger	/	/	
E-3 S. Stiles	12:55 / 4:48	5:02 / 5:47	
E-4 C. Swann	6:24 / 12:35	1:15 / 2:40	2:58 / 6:07
E-5 T. Yashinski	6:44 / 12:17	12:32 / 5:48	
E-6 R. Colleton	8:22 / 9:44	10:12 / 10:21	11:01 / 12:49 2:28 / 5:04
A-1 E-9 D. Simpadian	6:36 / 12:35	1:15 / 5:48	
A-2 E-10 E. Casey	2:16 / 5:48	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2 M. Hrywnak	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 12:08	/	
S-4 T. Cobb	1:55 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 31, 1990

No./Name		Time In/Out	Time In/Out	Remarks
A-2	D. Rall	6:31/12:10	12:41/5:36	
A-3	M. Miller	6:31/12:10	12:41/5:36	
A-4	J. Facio	6:55/12:10	12:51/5:08	
A-5	R. Moyer	6:55/12:10	12:51/5:08	
C/E-7	J. Lovewell	6:55/12:10	12:51/5:08	
C/E-8	A. Gonzales	6:55/12:10	12:51/5:08	
C/E-3	D. Tingue	7:00/12:01	12:37/3:52	
C/E-4	R. Crooks	7:00/12:01	12:37/3:52	
Mike Ludden		7:00/7:08	7:31/7:51	Baker's
Jim Ball	S-2	7:50/8:41	12:15/3:06	Ball Land Survey
Rudy Roeske	S-4	7:50/8:41	12:15/3:06	"
Robin Yehl	S-7	7:50/8:41	12:15/3:06	"
Brian Ennis		8:10/8:20	9:25/9:30 10:30/10:35 11:35/11:37 12:47/12:55	Mills' Transport
Jim Kafter		8:10/8:14	12:06/12:20 4:36/4:41	Spin Rite
Boyd Green Jr.		8:16/8:22	10:16/10:21 11:11/11:18 12:20/12:25 1:22/1:27 2:38/2:58 3:58/4:06	
Marc Warriner		9:10/9:14	10:15/10:20 11:22/11:27 12:53/12:59 2:08/2:08 3:10/3:17	Mills Transport 4:21/4:29
UPS		10:22/10:26		
Don Wartinger	E-10	10:30/2:16		Empire Soils
Charlie Baker		10:33/10:35	12:15/12:26	
Rick Scutt		11:22/11:55		Shorts Oil Co.
Tom Gowan		1:03/3:30		Beam Clean
Fed Ex		1:50/1:55		3pc delivery
UPS.		3:04/3:06		2pc. pickup
Theodore Myers		3:16/3:50	4:18/4:23	DEC.
Brian Ennis		1:55/2:01	2:59/3:06 4:05/4:12	
Frank Charland	64	4:03/4:10		Spin rite
Ray Charland	63	4:26/4:39		"
Roger Sizik	61	4:36/4:46		"
Fred Osmund	62	4:44/4:50		"

RECEIVED
OCT 3 1 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 10/31/90 DAY: WED HRS.WRK. 10 REPORT NO. 22

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL

EBASCO.	C.M.	1	SUB.	
	F.E/I	ϕ	SUPT.	
	H&SO	2	ENG.	
	C/SE	1	LABOR	
	P.M.	ϕ	OPER.	
	HOP	1	OTHER	
	"		SUB.	
	"		SUPT.	
ARCO	P.M.	ϕ	ENG.	
	OTHERS		LABOR	
	"		OPER.	
USCOE/EPA		ϕ	OTHER	
	"			

VISITORS HITTMAN - EBASCO - 2
EMPIRE - 1

SURVEYOR DOUG MEYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe		SEE		
Compactor				
Compactor				
Dump Trk.		OHM		
Dump Trk.				
Others		REPORT		
"				
"				
"				
"				

10/31/90

MEETINGS:

PLAN OF DAY OHM: PLACE CRUSHED STONE ON TEST FILL; EXCAVATE SLA & PLACE IN STORAGE AREA
EMPIRE: PERFORM DENSITY & MOISTURE CONTENT TEST
DOUG MEYERS: MAP STORAGE AREA BOUNDARY; SURVEY SETTLEMENT PLATE ELEVS.

SAFETY FOLLOW INSTRUCTIONS OF H&S OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION PLACE CRUSHED STONE ON TEST FILL
PLACE CRUSHED STONE TO STABILIZE ACCESS TO NORTH END OF T/F TO HAUL MATERIAL.

SLA EXCAVATION: SEE OHM REPORT

WASTEPILE CONSTRUCTION: SEE OHM REPORT + PERFORMED IN-PLACE DENSITY TESTS

OTHER: SEE CANONIE REPORT

10/31/90

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	ϕ	TESTFILL CONST.	CY	ϕ
			AGGREGETES	TON	ϕ
			SETTLEMENT PLATES	EA	ϕ
			OBSERVATION WELLS	EA	ϕ
			GEOTEXTILE FAB	SY	ϕ
SLA EXCAVATION			BEDDING MATERIAL	TON	494
GEOWASTE MATERIAL	CY		GEOTEXTILE FAB	SY	ϕ
CANTAMINATED WASTE	CY	1548	CAYMAX	SY	ϕ
CLEAN	CY		GEOMEMBRANE	SY	ϕ
MISC.	CY		MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	ϕ	GEOTEXTILE FAB	SY	ϕ
OBSERVATION WELLS	EA	ϕ	BEDDING MATERIAL	CY	371
AGGREGATES	CY		GEOMAMBRANE	SY	ϕ
CLAYMAX	CY	ϕ	EQUIP. FUEL&LUBE	GAL	
MISC.		ϕ	MISC.		
MISC.		ϕ	MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

10/31/90

REPORT NUMBERS
OHM REPORT # 21 Attached report required by Contract document
" " " " " "
" " " " " "
" " " " " "
" " " " " "

COMMENTS - ONE RISER PIPE DAMAGED DURING CRUSHED STONE PLACEMENT

TECHINICAL CONCERNS/PROBLEMS:
- IN-PLACE DENSITY & MOISTURE CONTENT DOES NOT MEET SPECS.
- SOUTH END OF T/F HAS 1 FOOT OF CRUSHED STONE BUT WILL NOT SUPPORT HEAVY EQUIPMENT DUE TO PUMPING UP OF GEOFABRIC. MATERIAL TO BE TRANSPORTED TO T/F VIA NORTH END.
- SOME SETTLEMENT PLATES HEAVED UP; TAR OOZED THROUGH CRUSHED STONE

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod	11	10 HRS per person
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In: WASH/RINSE Emps. Out:
Equipment: In: CLEAN/DRY Out:
Venders Equipment: In: Out:

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage Response
1		NONE		
2				

Accident/Breeches Report: NONE

RECEIVED
OCT 3 1 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 10-31-90 DAY: Wed HRS.WRK. 10 REPORT NO. 21
WEATHER INFORMATION:
TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____
PRECIPITATION:_____ HUMIDITY:_____
PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. D.R.
F.E/I_____ P.M._____
H&SO_____ HOP_____
C/SE_____ " _____
P.M._____ " _____
HOP_____
"_____
"_____
ARCO P.M._____
OTHERS _____ SUB._____
"_____ SUPV.____ EMPS____
USCOE/EPA_____ SUB._____
"_____ SUPV.____ EMPS____
VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 2
Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer D6	9	1		
Dozer D3	9	1		
Back Hoe	9	1		
Back Hoe	7	8		
Compactor				
Compactor				
Dump Trk.	9	1		
Dump Trk.	9	1		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Move STone to Pad

Move SLA material to TestFill Area.

SAFETY 0700 - 0715

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION Material moved ~~GQ 1548~~ 156 CY STone

SLA EXCAVATION: CY 1548

WASTEPILE CONSTRUCTION: CY 1548

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	_____
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	1548	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAYMAX	CY	_____	EQUIP. FUEL&LUBE	GAL	_____
MISC.	____	_____	MISC.	____	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	14	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED		DECON CERTS.	APPROVED BY
_____	YES_____	NO_____	_____	_____
_____	YES_____	NO_____	_____	_____
_____	YES_____	NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	_____	_____
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 30, 1990

Arrived at 6:35 am
Plan of Day:

Canonie
* Place slope protection rip rap - east bank.
* Fine grade inside slope - W/D.
* Place bedding stone and rip rap W/D - (NY D).
* Cover CELA impoundment.

OHM
* Place gravel on test fill pad.
* Set settlement plate sleeves

Meyers
* Not on site today

James Ball
* Final tie backs for land survey.

Cal and Duran briefed me on activities of last three work days.

* OHM has equipment down.
* Cal told OHM they needed a trackloader. They rented one from C. Baker.
* The first stone that was delivered for ramp was not suitable, so Charlie moved to another source and found good material. The ramp is still soft, but will hold up the heavy haulers.
* OHM is constructing a haul road around the east side of the SLA.

Jerry Palmer, site security, was called to the site last night by the Wellsville Police. Someone had broken into the bus barn (across the street), and they had found signs of tampering at our gate. Pete came and let them into the support area. Upon inspecting the offices, they found water running out of the floor of the EBASCO office, in the area of the bathroom. They entered the office through an unlocked door (rear), and found the faucet running, sink plugged water was overflowing onto the floor. They found no signs of other damage or tampering. I inspected the office upon entering this morning and found everything to be in place. After discussions with Cal, Tom Y. and Duran, I concluded the water was probably left on due to the faulty cold water faucet. This has happened before. With the high pressure we have, the faucet and stool have started leaking water late in the evening and we have found the floor covered with water. Canonie has been aware of this for sometime.

Dan Fisher called, Jay Joiner had instructed him to obtain a Primavera and Primavision for this project. He had issued a P.O. number to Primavera Systems, Inc. for a system 4.0.

He wants a copy of the receiving slip when it arrives. I asked him about a modem.

Alan asked if I had heard anything on the meeting we had last Wednesday. I told him all I knew was that we were still waiting on their justification for those items discussed. He said that he would check on the status. I told him what I had recommended to Tom for reviewing their August and September invoice.

Rocco called about OHM supplement. I told him I did not have a problem with the numbers and suggested he approve with a limit not to exceed the numbers submitted. He will discuss with Mark K.

James Ball and crew from Ball Land Survey is on site today. They are developing the land survey of the property that ARCO is buying from Otis/Eastern.

Hittman/EBASCO site rep., Roy Colleton asked if he could change an electrical outlet receptical in ARCO trailers, I gave permission.

Niel Geevers called regarding modem. I told him to check with Rob Block and see what they intend to use. If possible, we could use the same one. I also told him to contact Dan Fisher/Jay Joiner as I had discussions earlier with them.

Mike H., USCOE, came to discuss some concerns he had.

* When is the final specifications and work plans going to be issued? I told him they were the ones I had given him two weeks ago. He said, they did not contain the changes required by the EPA letter of approval. I told him I would have to check with engineering.
* When will the drawings be revised to show the CELA outline? I told him I would check.
* Why don't we have 24 hr. contact set up for emergencies? I told him we do have, and have had since June 10. His information is bad, and came from John Tucker, who has had this problem for sometime, but has not been willing to check with the State Patrol or police dept. to see what is set up.
* The EPA comments require "dikes" to be constructed around the waste pile and the SLA for run-on/run-off control, but we do not have anything up. I told him we have silt fences to prevent run off from the site. And will construct berms where they are required.
* Is the waste pile area A temporary storage area or a permanent area? I thought it was a permanent area, but the drawing defines it as a temporary area. I will check.
* The spec. calls for covering the SLA excavation and waste pile each day, but you are not doing this? I

did not know we were going to cover anything that was not releasing high readings. We are using clean soil to suppress the high readings.

Called Vinu while Mike was still in my office.

* The specifications and work plans will be re-issued today with most of the EPA comments incorporated in them. Six copies will be sent to site.
* The CELA outline will not be shown on any drawing.
* The waste stockpile area is a temporary area.

Discussed run-on/run-off berms with Duran. He will write a work plan and a sediment control plan for our work. It will define the run on/ run off control system.
The SLA and waste pile cover will be covered by an FCR that Duran is writing.

Dave Cash of OHM called regarding bid proposal. I told him we would be completing our review this week. If I have any questions, I will call him.

OHM got their heavy haulers running. They had been hauling gravel from the stockpile to the test fill pad. I went out to the pad and had them use the heavy hauler with a light load to move the material onto the test fill pad by off-tracking, we are not rutting the pad as bad as we were with the track loader. It has narrow tracks and excessive vibration, plus it takes twelve trips for one truck.

Canonie made good progress on the east bank and west dike today.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 30, 1990

Arrived at 6:45 a.m.
Plan of Day:

Canonie

* Continue rip rap east side
* Place bedding stone on NY dike.
* Fine grade top of dike on west side.
* Trim fat slopes and haul to CELA for use as capping material.

OHM

* Repair heavy haulers
* Load, haul dump and spread one ft. gravel layer on test fill.

Empire Testing

* Take field densities and determine moisture content of SLA material in storage area.

Field Observations and Activities:

Canonie

* Field crews continued to receive rip rap and place filter fabric bedding stone and rip rap on east side.
  West dike trimming of inside slope continued.
  Trimmed clay , hauled to CELA and spread as cover of contaminated soil.
  Backhoe completed cutting key at tie in of rip rap (new) with existing rip rap on NY dike. Reinstalled filter fabric and placed four (4) inches of bedding stone on raised face of NY dike.

OHM

* After six trips to test fill area, blew hydraulic line. All work essentially down while awaiting repair of the two heavy haulers.
  Work resumed in early afternoon with one truck hauling gravel to test fill pad. By days end gravel layer was completed to mid point of section 3.

Empire Testing

* Technician took four field densities. Moisture contents with nuclear probe and took four moisture samples to home office lab for verification.

Hittman/EBASCO

* Setting up lab equipment.

Left site at 6:45 p.m.

NOTE: SECURITY LOGS & REPORT FOR 10/24/90 ENCLOSED AT REAR OF THIS REPORT

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 10/30/90 DAY: TUES. HRS.WRK. 10 REPORT NO. 113

WEATHER INFORMATION:

TEMPERATURE: High _____ Low _____ WIND: Mph. _____ Dir. _____

PRECIPITATION: _____ HUMIDITY: _____ RIVER EL: AM _____ PM _____

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. _____

	F.E/I 1	R.E. 1	
	H&SO _____	P.E. 1	
	C/SE _____	QCM 1	
	P.M. _____	H&SO _____	
	HOP _____	P.M. _____	
	" _____	P.SEC 1	
	" _____	HOP _____	
ARCO	P.M. _____	" _____	
OTHERS	_____	CANONIE SUB. (1) BAKER PUMP	
"		SUPV. _____ EMPS. _____	
USCOE/EPA	_____	SUB. APP SURVEYORS	
"	_____	SUPV. 1 EMPS. 1	

VISITORS _____

MANUAL CANONIE GEN. Labor _____ Equip. Oper. _____

Truck Drivers _____ Others _____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	8			
" D-6	8			
" D-5	8			
" 12G	8			
(Sheep)Compactor		STAND-BY		
(Smooth) "	5			
Canonie Wtr. Trk		OFF-SITE FOR REPAIRS		
Hertz Wtr.Trk		STAND-BY		
(E. Bank) Cat 235	10			
Komatsu PC 200	8			
Generator / Steam Genny		STAND BY		
1/2 ton pickup	10			
Mechanic Trucks	11			
CASE 1085	8			

MEETINGS:

PLAN OF DAY W. Bank Continue Placing Bedding & Riprap On NY Dike; Trim Inside Slopes; Truck Mat'l From Slope Trimming To CELA For Cap E. Bank Continue Work @ Toe Trench, Slopes & Benches At South End

SAFETY Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #604 - Construct West Bank Dike
#605 - Place West Bank Riprap Protection

EAST BANK #703 - Construct East Bank Toe Trench
#703 - Place East Bank Riprap Protection

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	94
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	145
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	44.54 - W. Bank 525 - E. Bank
OIL STAIND	CY		ROAD AGGRTS	SY	0
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	67
PIT RUN FILL	CY	94	RIP-RAP MATRL.	TON	44.54 - W. Bank 467.91 - E. Bank
CLAY FILL	CY		ROAD AGGRTS.	TON	67.62
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. BANK	1	17+00 To 22+31	A-7	BEDDING		X	
	2	16+30 To 15+00	A-8	RIPRAP		X	
E. BANK	3	14+50 To 16+00	A-6	GT		X	
	4	14+55 To 16+50	A-7	BEDDING		X	
	5	14+60 To 15+50	A-8	RIPRAP		X	
	6						
W. BANK	7	STOCKPILES	A-9	ROADWAY AGGREGATE		X	
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: FRANK GONTOWSKI | CLIENT: | DATE: 10/30/90

CLIENT: SINCLAIR REFINERY PROJECT | PE/PS

JOB NO: 88-093 | LOCATION OF WORK: WELLSVILLE, NY

ACTIVITY: W. BANK

ACTIVITY # 604 - CONSTRUCT WEST BANK DIKE

- TRIM BACK SLOPES TO FINISHED GRADES
- MATERIAL FROM TRIMMING OPERATIONS LOADED ONTO A DUMP TRUCK & HAULED TO THE CELA, WHERE IT WILL BE USED TO CAP THE CONTAMINATED MATERIALS STORAGE AREA
- APPROXIMATELY 305 CY OF MATERIAL TRIMMED & HAULED
- PLACED BEDDING ON UPPER PORTION OF SLOPES (PIGGYBACK SECTION) OF NY DIKE FROM STA. 17+00 TO 22+31
- BEDDING PLACED ON GEOTEXTILE TO SPECIFIED THICKNESS.

ACTIVITY # 605 - PLACE WEST BANK RIPRAP PROTECTION

- PLACED RIPRAP ON RAISED SECTION OF NY DIKE, FROM STA. 16+50 TO 18+00
- GEOTEXTILE & BEDDING IN PLACE PRIOR TO PLACING RIPRAP

E. BANK

ACTIVITY # 703 - CONSTRUCT EAST BANK TOE TRENCH

- RIPRAP PLACED IN TOE TRENCH TO GRADE FROM STA. 14+50 TO 13+50
- SURVEYORS CHECKED RIPRAP GRADES AS WORK PROGRESSED

ACTIVITY # 705 - PLACE EAST BANK RIPRAP PROTECTION

- TOP OF SLOPE BENCH AREA CUT TO GRADE FROM STA. 14+50 TO 16+00
- GEOTEXTILE ROLLED UP SLOPE INTO POSITION ON SLOPE & BENCH AREAS FROM STA. 14+50 TO 16+00
- BEDDING STONE SUBSEQUENTLY PLACED TO SPECIFIED THICKNESS ON GEOTEXTILE PLACED FROM STA. 14+50 TO 16+00
- RIPRAP PLACED ON SLOPE & BENCH AREAS FROM STA. 14+100 TO 18+50

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

GEOTEXTILE

FORM A
SHEET ____ OF ____
INSPECTION DATE 10/30/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 14+50 TO 16+00 EAST BANK

5. REMARKS _____

INSPECTOR ALAN MUELLER-FEIG / FRANK GONTOWSKI DATE 10/30/90

REVIEWED BY _____ DATE 10-31

BEDDING

FORM A-[redacted],
SHEET __ OF ___
INSPECTION DATE 10/30/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X	___	___
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X	___	___
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X	___	___
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X	___	___

3. DUST CONTROL

ACTION TAKEN: None Required

4. BEDDING LOCATION

DIKE STATION 14+55 To 16+50 East Bank
DIKE STATION 17+00 TO 22+31 West Bank

5. REMARKS

INSPECTOR Alan Mellquist/Pete Parker DATE 10/31/90

REVIEWED BY [redacted] DATE 10-31

RIP RAP

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10/30/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: None Required

4. RIPRAP LOCATION

DIKE STATION 14+40 / 16+50 TO 18+50 / 18+00 — East Bank / West Bank

5. REMARKS Some dressing reqd on W. Bank 3 Eroy

INSPECTOR Alan Mellerudle / Pete Porter DATE 10/30/90

REVIEWED BY MM DATE 10-31

TH & SAFETY 10/30/90

TIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1, 1	80, 8, 7
"C"		
"B"		
OTHER		

R MONITORING:

mple	Time	Location	Instrument	Sample type	Results
1	1415	Top of CELA		Real Time	0.5 ppm
2		(clean rd)			
3					
4	1609	Top of CELA		Real Time	0.5 ppm
5		(clean rd)			
6					
7					
8					
9					
10					

AILY SAFETY INSPECTIONS:

npections	Time	Location	No. emps./equip.	PPE level	Violation
1	0850	dike (west bank)	4/Truck, loader, dozer	C	None
2	1420	East bank	3/Truck, dozer	C	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: ~~—~~ Emps. Out: ~~—~~

Equipment: In: ~~—~~ Out: ~~—~~

Venders Equipment: In: ~~—~~ Out: ~~—~~

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date 10/30/90

Equipment HNu

Real-Time Air Monitoring Results and Work Area

HNu showed no levels above background for dumping of excess clean clay on top of the CECA (over the storage pit)

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10/30/90

Work Areas Checked: East bank
west bank (drive), (clean road to top of CELA)

Employees Present in Work Areas: D. Feick, D. Maichele, S. Hunt, K. Smith
N. Irwin, B. Watkins, C. Mckim, K. Edwards, R. Ettinger, P. Sottile

Equipment Being Utilized: 2 trackhoes, loader, dozers, Grader

PPE Being Utilized: Level D

Accidents/Breeches of Procedures:

None

[redacted] to the storage pit on top of the CELA

Time: 1410) Temp ≈ 55°F; Sunny, WNW wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
10/30/90-1415	Top of CELA (Clean Rd)	HNu	PI101	cal=11ppm Isobutylene Bg=0.5ppm	0.5ppm	Real Time
10/30/90-1608	Top of CELA (Clean Rd)	HNu	PI101	Same	0.5ppm	R.T.

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 30, 1998

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	7:00 / 6:01	/	
C-3 P. Porter	6:25 / 6:35	6:52 / 12:07	12:44/2:09 2:34/6:01
C-4 A. Muellerleile	7:03 / 9:31	10:07/10:52	11:35/12:44 1:19/2:08 3:32/5:33
C-5 C. Ettinger	6:59 / 8:57	9:24 / 10:42	11:20/11:26 11:35/12:10
C-6 F. Gontowski	6:59 / 2:30	3:45 / 5:44	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:54 / 7:56	3:55 / 5:27	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:36 / 7:15	7:23 / 7:30	8:27/9:13 10:03/10:25 11:05/1:32
C-12 C. Mckim	6:42 / 7:07	5:30 / 5:35	
C-13 G. Reid	6:42 / 7:07	/	
C-14 N. Tracy	6:45 / 7:11	/	
C-15 G. Maichele	6:32 / 6:42	6:53 / 7:15	7:23 / 12:02 12:18/6:00
C-16 S. Hunt	6:33 / 6:42	6:53 / 7:15	7:36/8:03 8:59/10:42 11:20/11:26 11:35/12:40
C-17 P. Smith	6:45 / 7:07	/	
C-18 R. Edwards	6:52 / 7:09	12:06 / 12:10	12:28/12:41 3:24/ 4:04 4:17/5:00
C-19 R. Bartles	6:54 / 7:56	3:53 / 5:27	
C-20	/	/	
E-1 G. Stiles	6:36 / 11:51	12:50 / 4:06 4:20/	
E-2 ~~T. Granger~~ C. Bixby	8:43 / 3:16	/	
E-3 S. Stiles	4:20 /	/	
E-4 C. Swann	6:42 / 11:56	12:46 /	
E-5 T. Yashinski	6:47 / 11:56	12:46 / 6:04	
E-6 R. Colleton	8:40 / 8:44	9:09/9:16	9:26/9:34 10:23/10:40 11:01/12:02
~~A-1~~ E-9 D. Simpadian	7:09 / 11:56	12:46 /	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:14 / 12:00	/	
C/E-2 M. Hrywnak	9:26 / 12:12	1:21 / 1:56	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:00	2:50 / 2:55	
S-4 T. Cobb	1:56 / 6:30	/	
S-5 A. Fox	4:30 / 4:35	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 30, 1990

No./Name	Time In/Out	Time In/Out	Remarks
A-2 D. Rall	6:45/7:38	7:48/12:19 12:54/5:44	OHM
A-3 M. Miller	6:45/12:19	12:54/5:44	
A-4 J. Facio	6:51/12:00	1:10/1:20 1:51/5:10	
A-5 R. Moyer	6:51/12:00	1:51/5:10	
A-6 J. Lovewell	6:51/12:00	1:10/5:10	
A-7 A. Gonzales	6:51/12:00	1:51/5:10	
Mike Ludden C-20	6:58/12:02	12:29/5:15	Baker's
Boyd Green, SR.	6:59/5:16		"
Jim Rafter	8:02/8:05	11:44/11:50 3:37/3:44	Spin Rite
Boyd Green JR	8:21/8:37	9:40/9:50 11:38/11:51 12:47/12:54 2:4/2:57	
Brian Ennis	8:31/8:41		Mills Transport
Marc Warriner	8:47/9:06		"
UPS	10:15/10:16		
Jim Ball S-2	10:25/1:09	1:55/2:30	Ball Land Survey
Rudy Roeske S-4	10:25/1:09	1:51/2:30	"
Dan Wartinger S-6	10:39/2:28		Empire Soils
Dean's Septic	11:02/11:23		
Ken Obstarczyk	11:05/11:11		Freedom Gravel Prod.
Tony Gabasso	11:05/11:11		"
Dana Perrigo	11:07/11:33		Syracuse Supply
Rick Scutt	11:14/11:50		Shortts Oil Co.
Robin Yehl S-7	12:08/1:09	1:55/2:30	Ball Land Survey
Brent Rohrbacher	12:08/12:10		"
Bob Voigt	12:38/4:09		Rupp mechanic
Jim Brownell	2:00/2:01		Otis Eastern
Charlie Baldwin	2:02/2:04	2:34/2:34	To see P. Porter
Otis	2:20/2:40		to pickup EL300
Fed Ex	2:35/2:40		1 pc. pickup
UPS	3:39/3:45		1 pc. pickup/4 pc. delivery
Charlie Baker	4:39/4:56		
W.C. McQuaid Inc.	4:51/5:18		delivery for Hittman Elasco
G. Stiles S. Stiles C. Swann D. Simpadian	Still working		

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: Oct. 30, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	/	/	
C-4 A. Muellerleile	3:59 / 5:43	/	
C-5 C. Ettinger	12:28 / 1:04	1:16 / 3:49	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	2:03 / 5:35	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	/	/	
C-16 S. Hunt	12:28 / 6:00	/	
C-17 P. Smith	/	/	
C-18 R. Edwards	5:27 / 5:35	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4	/	/	
E-5	/	/	
E-6 R. Colleton	1:51 / 3:49	5:02 / 5:48	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY INCIDENT 10/29/90

At 9:15 P.M. on 10/29/90, I was advised that there was substantial police activity in the area of the Sinclair Remediation Project. Jerry Palmer and the writer responded immediately and were met at the gate by Acting Police Chief James Cicirello of the Wellsville Police Department who advised that two males wearing Carhart clothing had been observed in the School Bus Garage fence enclosure shortly before and had eluded officers attempting to apprehend them. He further advised that there had been a break-in at National Fuel Gas and at the Ag-Tech in the past few days which resulted in several thousands of dollars damage to computer and other equipment. Chief Cicirello then left the scene.

Jerry and I entered the site through the pass gate, opened the security trailer, and initiated a search of the compound. As we had no keys for the various trailers, we attempted to contact Gary Stiles at 593-7301 at 9:30 P.M. and received no answer. At 9:31 P.M., we attempted to contact Dave Dekker at 928-1153 and were advised by the operator that that number was no longer in service. At 9:34, we were successful in contacting Pete Porter who arrived at the scene promptly. Pete was unable to open the main gate lock with his key, and Jerry's key would not work either. We entered all the trailers to which he had keys and found nothing amiss. We then discovered water running out of EBASCO's trailer in the vicinity of the bathroom but could not get in the trailer. At that time,we contacted WPD for assistance in entering the trailer. While waiting for WPD, Pete and Jerry entered the work area to inspect the mobile equipment on the West side of the River. No evidence of tampering was discovered. Officer Dan Howe responded at approximately 10:00 P.M. and was able to gain admittance to EBASCO's trailer by stepping on the doorsill in such a manner that the door opened easily although it was locked. We found the sink in the bathroom overflowing and the water running through the sidewall causing no damage to the contents of the trailer. We shut the water off and could discover no reason that the drain should not function.

Officer Howe also inspected the main gate lock and discover a scratch on the base which may have indicated an attempt at forced entry, however the lock eventually opened and Officer Howe thought it may have been frozen. The ambient temperature was 30°F. at the time.

Officer Howe recommended that all trailer door locks be tightened to prevent unauthorized entry. It was further recommended that the site be monitored during the Halloween season due to it's proximity to Ag-Tech.

All persons left the scene at approximately 10:30 P.M.

Respectfully Submitted by

Jon C. Palmer

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-24-90

Work Areas Checked: East bank

Employees Present in Work Areas: D. Reid, N. Tracy, D. Marchele, S. Hunt, P. Smith, B. Mahin, C. Mahin, M. Ettinger, D. Dekker

Equipment Being Utilized: 2 trackhoes, loader, Grader, loader, dozer

PPE Being Utilized: hard D

Accidents/Breeches of Procedures: none

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-24-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - No west bank work today

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

N/A

.TH & SAFETY 10-24-90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1, 1	80, 3, 2
"C"		
"B"		
OTHER		

IR MONITORING:

ample	Time	Location	Instrument	Sample type	Results
1	Nine - NO west bank work				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inspections	Time	Location	No. emps./equip.	PPE level	Violation
1	0900	East bank	8/2 trucks, dozer, loader, Grader	D	none
2	1330	East bank	8/2 trucks, dozer, loader	D	none
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: ~~~~ Emps. Out: ~~~~

Equipment: In: ~~~~ Out: ~~~~

Venders Equipment: In: ~~~~ Out: ~~~~

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	none				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES: 10.24 - 90

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No Accidents or incidents to report today — October 30, 1990

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 10-30-90 DAY: TUES HRS.WRK. 10 REPORT NO. 21

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I Ø SUPT._____

H&SO 1 ENG._____

C/SE 1 LABOR_____

P.M. Ø OPER._____

HOP 1 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. Ø ENG._____

OTHERS Ø LABOR_____

" _____ OPER._____

USCOE/EPA 1 OTHER_____

" Ø

VISITORS HITTMAN-EBASCO - 1

EMPIRE SOILS - 1

SURVEYOR Ø

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe		SEE		
Compactor				
Compactor		OHM		
Dump Trk.				
Dump Trk.		REPORT		
Others				
"				
"				
"				
"				

10/30/90

MEETINGS:

PLAN OF DAY OHM: EXCAVATE SLA MATERIAL & PLACE IN STORAGE AREA; PLACE CRUSHED STONE ON TEST FILL

SAFETY FOLLOW INSTRUCTIONS OF H&S OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION PLACE CRUSHED STONE ON TEST FILL; MOVE SLA TO STORAGE AREA

SLA EXCAVATION: SEE OHM REPORT

WASTEPILE CONSTRUCTION: PERFORMED COMPACTION TESTS ON SLA MATERIAL FOR ADDITIONAL DETAILS ON WASTEPILE CONSTRUCTION SEE OHM REPORT

OTHER: SEE CANONIE REPORT

10/30/90

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	ϕ	TESTFILL CONST.	CY	ϕ
			AGGREGETES	TON	ϕ
			SETTLEMENT PLATES	EA	ϕ
			OBSERVATION WELLS	EA	ϕ
			GEOTEXTILE FAB	SY	ϕ
SLA EXCAVATION			BEDDING MATERIAL	~~TON~~ CY	84
GEOWASTE MATERIAL	CY	ϕ	GEOTEXTILE FAB	SY	ϕ
CANTAMINATED WASTE	CY	432	CAYMAX	SY	ϕ
CLEAN	CY	ϕ	GEOMEMBRANE	SY	ϕ
MISC.	CY		MISC.		ϕ
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	ϕ	GEOTEXTILE FAB	SY	ϕ
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS		NONE	
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO	NONE	
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

10/30/90

REPORT NUMBERS
OHM REPORT Attached report required by Contract document
_____ " " " " " "
_____ " " " " " "
_____ " " " " " "
_____ " " " " " "

COMMENTS EXPERIENCED DELAY DUE TO EQUIPMENT BREAKDOWN

TECHINICAL CONCERNS/PROBLEMS:

COMPACTION TEST RESULT DOES NOT MEET SPEC REQUIREMENTS

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In:_____ Emps. Out:_____
Equipment: In:_____ Out:_____
Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:
No. Time Location Emp.No./Equip.No. Injury/damage Response
1 _____
2 _____
Accident/Breeches Report:_____

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 10-30-90 DAY: Tuesday HRS.WRK. 10 REPORT NO. 26

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. 1

F.E/I_____ P.M. 0

H&SO_____ HOP 0

C/SE_____ "_____

P.M._____ TOTAL 6

HOP_____

"_____

"_____

ARCO P.M._____

OTHERS _____ SUB._____

"_____ SUPV._____ EMPS_____

USCOE/EPA_____ SUB._____

"_____ SUPV._____ EMPS_____

VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 2

Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer D6	9	1		
Dozer D3	9	1		
Back Hoe	9	1		
Back Hoe	0	10		
Compactor				
Compactor				
Dump Trk.	9	1		
Dump Trk.	0	10		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Move SLA To Cela Area
Test Fill
Move Bedding Material To [redacted] Area

SAFETY 0700 Safety meet 0715

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION
PLACE BEDDING MATERIAL ON TEST FILL

SLA EXCAVATION: EXCAVATE & MOVE TO STORAGE AREA 432 C.Y.

WASTEPILE CONSTRUCTION: SEE SLA EXCAVATION

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE		TESTFILL CONST.	CY	
			AGGREGETES	TON	
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATERIAL	~~TON~~ CY	84
GEOWASTE MATERIAL	CY		GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY		CAYMAX	SY	
CLEAN	CY		GEOMEMBRANE	SY	
SLA	CY	432	MISC.		
MISC. ~~STo~~	~~CY~~	~~Sed~~	"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS		None	
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED		DECON CERTS.	APPROVED BY
	YES	NO		
	YES	NO	None	
	YES	NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod	6	9 Each = 54
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2					

Accident/Breeches Report:_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 29, 1990

Arrived at: 6:55 am
Plan of Day:

* Canonie
  * Place rip rap on slope and horizontal section and remove divider Dike in river on east side.
  * Fine grade top of Dike and place roadway aggregate.
  * Trim downstream (inside) slope and haul to CELA as cap for stockpiled waste.
  * Prepare NY Dike for bedding stone and rip rap.

* OHM
  * Haul and place gravel layer on testfill area.
  * Load, haul, dump and spread SLA material adjacent to CELA.

* Meyers
  * Set stakes 15 feet off sides and North end of testfill.
  * Complete fill staking using stringline method.

Field Observations and Activities:

* Canonie
  * Receive and place rip rap East side downstream of tributary on slope and horizontal section.
  * Second backhoe removed rock berm and filter fabric from river bottom. Filter fabric disposed of in common fill area. Rip rap salvaged and placed in deficient areas of toe trench.
  * Third backhoe trimmed Dike side slopes and loaded trucks for transport to CELA, to be used as cover.
  * Fine graded top of Dike and placed road aggregate.

* OHM
  * Loaded and hauled gravel to edge of testfill. Dumped in stockpile just off North end of testfill.
  * Moved tracked loader to testfill area approximately 10:30 am and loaded and hauled gravel out onto testfill. Objective is to operate loader off surface of gravel while minimizing turns. Spreading will be with widetrack dozer.
  * Only one heavy hauler working - other down with problem in turbo mechanism. Leasing agency has been called and will send mechanic.
  * Second heavy hauler broke hydraulic line at approximately 3:00 pm, while transporting SLA material, no further hauling accomplished this day. Hydraulic line was repaired by 5:00 pm, which was quitting time.

* Backhoe excavating haul road on East side of SLA.

* Hittman/Ebasco
  * Setting up Lab equipment in ARCO trailer - Electrical outlet must be changed to receive special plug from testing equipment (unable to locate adaptor).

Left site at 7:15 pm.

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 10-29-90 DAY: MON HRS.WRK. 10 REPORT NO. 20

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. Ø SUB._____

F.E/I Ø SUPT._____

H&SO 1 ENG._____

C/SE 1 LABOR_____

P.M. Ø OPER._____

HOP 1 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. Ø ENG._____

OTHERS Ø LABOR_____

" _____ OPER._____

USCOE/EPA 1 OTHER_____

"NYSDEC 1

VISITORS HITTMAN - EBASCO - 1

SURVEYOR DOUG MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe				
Compactor		SEE		
Compactor				
Dump Trk.		OHM		
Dump Trk.				
Others				
"		REPORT		
"				
"				
"				

10/29/90

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	0	TESTFILL CONST.	CY	
			AGGREGETES	TON	0
			SETTLEMENT PLATES	EA	0
			OBSERVATION WELLS	EA	0
			GEOTEXTILE FAB	SY	0
EXCAVATION			BEDDING MATERIAL	TON	252
GEOWASTE MATERIAL	CY	0	GEOTEXTILE FAB	SY	0
CANTAMINATED WASTE	CY	0	CAYMAX	SY	0
CLEAN	CY	0	GEOMEMBRANE	SY	0
SLA	CY	432	MISC.		0
MISC.		0	"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	0	GEOTEXTILE FAB	SY	0
OBSERVATION WELLS	EA	0	BEDDING MATERIAL	CY	0
AGGREGATES	CY	0	GEOMAMBRANE	SY	0
CLAYMAX	CY	0	EQUIP. FUEL&LUBE	GAL	0
MISC.		0	MISC.		0

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL. /

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON		NONE	
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
TRACK LOADER	YES NO		
	YES NO		
	YES NO		

10/29/90

MEETINGS:

PLAN OF DAY OHM: PLACE CRUSHED STONE ON TEST FILL; EXCAVATE SLA & PLACE IN STORAGE AREA

D. MYERS: MAP SETTLEMENT PLATES, MARK FILL STAKES

SAFETY FOLLOW INSTRUCTIONS OF H & S SUPV.

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION PLACE CRUSHED STONE ON TEST FILL.

SLA EXCAVATION: SEE OHM REPORT

(MOVE SLA MATERIAL TO STORAGE AREA)

WASTEPILE CONSTRUCTION: SEE OHM REPORT

OTHER: SEE CANONIE REPORT

10/29/90

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

SEE OHM REPORT Attached report required by Contract document

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

COMMENTS CRUSHED STONE PLACED WITH FRONT LOADER CREATES RUTS OVER AREA ALREADY COVERED

TECHINICAL CONCERNS/PROBLEMS:

- THICKNESS OF CRUSHED STONE AT SOUTH END OF T/E MAY EXCEED 12".
- SLA MATERIAL PLACED IN STORAGE AREA CAN BE COMPACTED BY TRACK WALKING WITH A DOZER ONLY; WILL NOT MEET SPEC REQUIREMENTS

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 10-29-90 DAY: Monday HRS.WRK. 10 REPORT NO. 19

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. ~~DE~~ 1

F.E/I_____ P.M. ~~mk~~ Ø

H&SO_____ HOP_____ Ø

C/SE_____ " _____

P.M._____ " _____

HOP_____

" _____

" _____

ARCO P.M._____

OTHERS _____ SUB._____

" _____ SUPV.____ EMPS____

USCOE/EPA_____ SUB._____

" _____ SUPV.____ EMPS____

VISITORS_____

_____

MANUAL OHM Gen. Labor 1 Equip. oper. 2

Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Dozer D6	9	1		
Dozer D3	9	1		
Back Hoe	9	1		
Back Hoe	0	9		
Compactor				
Compactor				
Dump Trk.	9	1		
Dump Trk.	9	1		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Move SLA To Cela Area
Move Bedding Material To Cela Area

SAFETY 0700 Safety meet to 0715

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION: 432 C.Y. OF SLA MATERIAL MOVED To

WASTEPILE CONSTRUCTION:

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE		TESTFILL CONST.	CY	
			AGGREGETES	TON	
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATERIAL	~~TON~~ CY	752
GEOWASTE MATERIAL	CY		GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY		CAYMAX	SY	
CLEAN	CY		GEOMEMBRANE	SY	
SLA	CY	432	MISC.		
MISC. ~~STay~~	~~CY~~	~~259~~	"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod	6	9hs Each = 54
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 10-27-90 DAY: SAT HRS.WRK. 10 REPORT NO. 19
WEATHER INFORMATION:
TEMPATURE: High 55 Low 20 WIND: Mph.____ Dir.____
PRECIPITATION:____ HUMIDITY:____
PERSONNEL: NON-MANUAL EBASCO. C.M. Ø SUB.____
F.E/I Ø SUPT.____
H&SO 1 ENG.____
C/SE 1 LABOR____
P.M. Ø OPER.____
HOP 1 OTHER____
" ____ SUB.____
" ____ SUPT.____
ARCO P.M. Ø ENG.____
OTHERS Ø LABOR____
" ____ OPER.____
USCOE/EPA Ø OTHER____
"
VISITORS Ø
SURVEYOR DOUG MYERS 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe				
Compactor		SEE		
Compactor				
Dump Trk.		OHM		
Dump Trk.				
Others		REPORT		
"				
"				
"				
"				

10/27/90

MEETINGS:

PLAN OF DAY OHM: WORK ON RAMP TO CELA; PLACE CRUSHED STONE ON TEST FILL
DOUG MYERS: CROSS SECTION T/F

SAFETY FOLLOW INSTRUCTION OF H&S SUPV.

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION
SURVEY CROSS SECTIONS
WORK ON RAMP TO CELA

SLA EXCAVATION: SEE OHM

WASTEPILE CONSTRUCTION: SEE OHM

OTHER: SEE CANONIE

10/27/90

SAMPLING & ANALYSIS ACTIVITIES:
REPORT NUMBERS
SEE OWM REPORT Attached report required by Contract document
#18 " " " " " "
" " " " " "
" " " " " "

COMMENTS ACCESS ROAD DIFFICULT TO COMPACT

TECHINICAL CONCERNS/PROBLEMS:
ACCESS ROAD REQUIRED MORE CRUSHED STONE THAN EXPECTED

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In:_____ Emps. Out:_____
Equipment: In:_____ Out:_____
Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:
No. Time Location Emp.No./Equip.No. Injury/damage Response
1
2
Accident/Breeches Report:

10/27/90

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	0	TESTFILL CONST.	CY	
			AGGREGETES	TON	0
			SETTLEMENT PLATES	EA	0
			OBSERVATION WELLS	EA	0
			GEOTEXTILE FAB	SY	0
EXCAVATION			BEDDING MATERIAL	TON	0
GEOWASTE MATERIAL	CY	0	GEOTEXTILE FAB	SY	0
CANTAMINATED WASTE	CY	0	CAYMAX	SY	0
CLEAN	CY	0	GEOMEMBRANE	SY	0
SLA	CY	0	MISC. CRUSHED STONE	CY	165
MISC.	___	0	" FOR ACCESS ROAD	___	
			"	___	
			"	___	
			"	___	

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	0	GEOTEXTILE FAB	SY	0
OBSERVATION WELLS	EA	0	BEDDING MATERIAL	CY	0
AGGREGATES	CY	0	GEOMAMBRANE	SY	0
CLAYMAX	CY	0	EQUIP. FUEL&LUBE	GAL	0
MISC. CRUSH STONE	CY	165	MISC.	___	0

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON		NONE	
USED OIL/LUBE.	GAL			
MISC.	___			

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES ___ NO ___		
	YES ___ NO ___	NONE	
	YES ___ NO ___		

RECEIVED
OCT 3 1 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 10-26-90 DAY: Friday HRS.WRK. 10 REPORT NO. 17

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. 1

F.E/I_____ P.M._____

H&SO_____ HOP_____

C/SE_____ "_____

P.M._____ Total" 6

HOP_____

"_____

"_____

ARCO P.M._____

OTHERS_____ SUB._____

"_____ SUPV._____ EMPS_____

USCOE/EPA_____ SUB._____

"_____ SUPV._____ EMPS_____

VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 2

Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer D6	10	1		
Dozer D3	10	1		
Back Hoe	0	10		
Back Hoe	0	8		
Compactor				
Compactor				
Dump Trk.	1	8		
Dump Trk.	0	9		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Put down Geo Fabric 5 rolls
made good way

SAFETY 0700-0715

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION:

WASTEPILE CONSTRUCTION: 156 CY STon

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	~~TON~~	CY 156
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	_____	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAYMAX	CY	_____	EQUIP. FUEL&LUBE	GAL	_____
MISC.	____	_____	MISC.	____	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	_____	_____
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

RECEIVED
OCT 3 1 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 10-25-90 DAY: Thursday HRS.WRK. 10 REPORT NO. 16
WEATHER INFORMATION:
TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____
PRECIPITATION:_____ HUMIDITY:_____
PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. 1
F.E/I_____ P.M._____
H&SO_____ HOP_____
C/SE_____ "_____
P.M._____ "_____
HOP_____
"_____
"_____
ARCO P.M._____
OTHERS_____ SUB._____
"_____ SUPV._____ EMPS_____
USCOE/EPA_____ SUB._____
"_____ SUPV._____ EMPS_____
VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 2
Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer D6	9	1		
Dozer D3	9	1		
Back Hoe				
Back Hoe				
Compactor				
Compactor				
Dump Trk.	9	1		
Dump Trk.	9	1		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Move SLA Material to Cela Area for Ramp Layed Down GeoTex for Ramp 150'X 24' Wide

SAFETY 0700 ~~MEET~~ Safety Meeting to 0715

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION: 0 moved 864 CY To make Ramp

WASTEPILE CONSTRUCTION: 864 To make Ramp

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	_____
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	864	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAYMAX	CY	_____	EQUIP. FUEL&LUBE	GAL	_____
MISC.	____	_____	MISC.	____	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod	6	9 hr Each
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

RECEIVED
OCT 3 1 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 10-24-90 DAY: Wed HRS.WRK. 10 REPORT NO. 15

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. D.R.

F.E/I_____ P.M. M.K.

H&SO_____ HOP_____

C/SE_____ "_____

P.M._____ "_____

HOP_____

"_____

"_____

ARCO P.M._____

OTHERS_____ SUB._____

"_____ SUPV._____ EMPS_____

USCOE/EPA_____ SUB._____

"_____ SUPV._____ EMPS_____

VISITORS_____

MANUAL OHM Gen. Labor_____ Equip. oper._____

Truck drivers_____ Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer 6	4	5		
Dozer 3	3	6		
Track Back Hoe T	7	2		
Back Hoe	2	7		
Compactor				
Compactor				
Dump Trk.	2	7		
Dump Trk.	0	9		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY _____

SAFETY _____

SCHEDULED S. Meeting 0700-0915

UN-SCHEDULED _____

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION _____

SLA EXCAVATION: _____

WASTEPILE CONSTRUCTION: _____

OTHER: _____

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	_____
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	_____	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAYMAX	CY	_____	EQUIP. FUEL&LUBE	GAL	_____
MISC.	____	_____	MISC.	____	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____ Attached report required by Contract document

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod	6	8 Each
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

RECEIVED
OCT 3 1 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 10-23-90 DAY: Tuesday HRS.WRK. 10 REPORT NO. 14

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. D.R.

F.E/I_____ P.M. M.K.

H&SO_____ HOP_____

C/SE_____ "_____

P.M._____ "_____

HOP_____

"_____

"_____

ARCO P.M._____

OTHERS_____ SUB._____

"_____ SUPV._____ EMPS_____

USCOE/EPA_____ SUB._____

"_____ SUPV._____ EMPS_____

VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 2

Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer 6	2	6		
Dozer 3	6	4		
Truck Back Hoe	0	4		
Back Hoe				
Compactor				
Compactor				
Dump Trk.	0	9		
Dump Trk.	0	9		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Settlement Plate Locations
Head Read

SAFETY S. Meeting 0700-0715

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION:

WASTEPILE CONSTRUCTION:

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	_____
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	_____	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAYMAX	CY	_____	EQUIP. FUEL&LUBE	GAL	_____
MISC.	____	_____	MISC.	____	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	6	9 Each
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

RECEIVED
OCT 3 1 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 10-22-90 DAY: mon HRS.WRK. 10 REPORT NO. 13
WEATHER INFORMATION:
TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____
PRECIPITATION:_____ HUMIDITY:_____
PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. D.R.
F.E/I_____ P.M. M.K.
H&SO_____ HOP_____
C/SE_____ "_____
P.M._____ "_____
HOP_____
"_____
"_____
ARCO P.M._____
OTHERS _____ SUB._____
"_____ SUPV.____ EMPS____
USCOE/EPA_____ SUB._____
"_____ SUPV.____ EMPS____
VISITORS_____

MANUAL OHM Gen. Labor_____ Equip. oper._____
Truck drivers_____ Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer 6	9			
Dozer 3	5	5		
Track ~~Back~~ Hoe	1	8		
Back Hoe	1	7		
Compactor				
Compactor				
Dump Trk.	1	8		
Dump Trk.		9		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Lapo GeoTex Tile

SAFETY Safty meeting 0700

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION:

WASTEPILE CONSTRUCTION: Ø

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	_____
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	_____	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAYMAX	CY	_____	EQUIP. FUEL&LUBE	GAL	_____
MISC.	___	_____	MISC.	___	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod	6	9 Each
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

RECEIVED
OCT 3 1 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 10-20-90 DAY: SaT HRS.WRK. 10 REPORT NO. 12
WEATHER INFORMATION:
TEMPATURE: High 65 Low 40 WIND: Mph.____ Dir.____
PRECIPITATION:_____ HUMIDITY:_____
PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. P.R
F.E/I_____ P.M. ~~MARK~~ M.K
H&SO_____ HOP_____
C/SE_____ " _____
P.M._____ " _____
HOP_____
"_____
"_____
ARCO P.M._____
OTHERS _____ SUB._____
"_____ SUPV.____ EMPS____
USCOE/EPA_____ SUB._____
"_____ SUPV.____ EMPS____
VISITORS_____
_____
MANUAL OHM Gen. Labor_____ Equip. oper._____
Truck drivers_____ Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer 6	9			
Dozer 3	5	5		
Back Hoe		8		
Truck ~~Hoe~~ Hoe	9	1		
Compactor				
Compactor				
Dump Trk.	5	5		
Dump Trk.	5	5		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY [illegible]

SLA Exration

SAFETY Safty meeting 0700

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION: 450 yd out.

WASTEPILE CONSTRUCTION: 450 yd in

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	_____
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	450	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAYMAX	CY	_____	EQUIP. FUEL&LUBE	GAL	_____
MISC.	____	_____	MISC.	____	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	6	9 Each
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 29, 1990

Not on site

Called at 9:50 am - talked with Tom Yashinski - everything is ok - working on gravel pad and SLA excavation.

RECEIVED

OCT 3 0 1990

EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 10/29/90 DAY: Mon. HRS.WRK. 10 REPORT NO. 113

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM ____ PM ____

PERSONNEL: NON MANUAL EBASCO. C.M. ____ CANONIE. P.S. ____

		F.E/I	R.E.
		H&SO	P.E.
		C/SE	QCM
		P.M.	H&SO
		HOP	P.M.
		"	P.SEC
		"	HOP
	ARCO	P.M.	"
	OTHERS		CANONIE SUB. App Surveyors
	"		SUPV. ____ EMPS. ____
	USCOE/EPA	1	SUB. Baker Dump - 1
	"		SUPV. ____ EMPS. ____
	VISITORS		

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 7

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	8			
" D-5	5			
" 12G	8			
(Sheep) Compactor		Stand-By		
(Smooth) "	8			
Canonie Wtr. Trk		Off-Site For Repairs		
Hertz Wtr. Trk		Stand-By		
(E. Bank) Cat 235	10			
Komatsu PC 200	8			
Generator / Steam Genny		Stand-By		
½ ton pickup	10			
Mechanic Trucks	11			
Fiat Front End Loader	4	Taken Off-Site		

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	33
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	10
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	337 - E. BANK 17 - W. BANK
OIL STAIND	CY		ROAD AGGRTS	SY	200
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	18
PIT RUN FILL	CY	33	RIP-RAP MATRL.	TON	535.38
CLAY FILL	CY		ROAD AGGRTS.	TON	333.85
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY
BAKER FIAT LOADER	X	N/A	ALAN MUELLER-LEIJE

PAGE ____ OF ____

MEETINGS: W. Bank

PLAN OF DAY Continue Trimming Inside Of Slopes & Bring Mat'l To CELA For Cap; Continue Placing Roadway Aggregate E. Bank Continue Placement Of Riprap In Toe Trench Where Needed; Continue Working On Dike Bench At South End

SAFETY Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Activity # 604 - Construct W. Bank Dike
Activity # 6006 - Construct W. Bank Roadway

EAST BANK Activity #703 - Construct E. Bank Toe Trench
Activity #705 - Place E. Bank Riprap Protection

RIVER (Any activity performed in water or gravel bar)

OTHER

PAGE: ____ OF ____

FIELD ENGINEERING ACTIVITIES: (surveyors)

SHOT GRADES AT TOP OF EAST BANK

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. BANK	1	2+00 TO 4+00	A-9	ROADWAY AGGREGATE		X	
E. BANK	2	16+00 TO 18+50	A-6	GT		X	
	3	16+50 TO 18+50	A-7	BEDDING		X	
	4	14+50 TO 19+25	A-8	RIPRAP		X	
	5						
	6						
	7						
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No accidents or incidents to report today ← October 29, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: FRANK GONTOWSKI | CLIENT: | DATE: 10/29/90

CLIENT: SINCLAIR REFINERY SITE | PE/PS

JOB NO: 88-093 | LOCATION OF WORK: WELLSVILLE, NY

ACTIVITY: WEST BANK

Activity # 604 - Construct West Bank Dike

- Trim Inside Slopes Of Dike To Spec'd Dimensions On Drawings
- Trimming Work Performed From Sta. 9+50 To 12+00
- Material From Slope Trimming Trucked To CELA To Be Used For Cap Of Contaminated Storage Area
- Approx. 161 cy Of Mat'l Removed

Activity # 606 - Construct West Bank Roadway

- Raked & Compacted Roadway Aggregate To Specified Thickness From Sta. 2+00 To 4+00

East Bank

Activity # 703 - Construct E. Bank Toe Trench

- Low Areas In Toe Trench Filled To Grade w/ Riprap From Sta. 19+25 To 14+36

Activity # 705 - Place East Bank Riprap Protection

- Shaped Top Bank And Any Remaining Slope Areas From Sta. 16+00 To 18+50
- Pulled Geotextile Into Place From Lower Slope Area, From Sta. 16+00 To 18+50
- Placed Bedding Stone On Geotextile From Sta. 16+50 To 18+50

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

GEOTEXTILE

FORM
SHEET ___ OF ___
INSPECTION DATE 10/29/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 16+00 TO 18+50 EAST BANK

5. REMARKS _____

INSPECTOR ALAN MUELLERLEILE DATE 10/29/90

REVIEWED BY EJG DATE 10/30/90

FORM A
SHEET ___ OF ___
INSPECTION DATE 10/29/90

BEDDING

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: None Required

4. BEDDING LOCATION

DIKE STATION 18+50 TO 16+50 East Bank

5. REMARKS

INSPECTOR Alan Mueller/EJG DATE 10/29/90

REVIEWED BY EJG DATE 10/30/90

FORM A-8
SHEET ____ OF ____

RIP RAP

INSPECTION DATE 10/29/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: None Required

4. RIPRAP LOCATION

DIKE STATION 14+50 TO 19+25

5. REMARKS

INSPECTOR Alan Muellerleile DATE 10/29/90

REVIEWED BY FJG DATE 10/30/90

AGGREGATE-SURFACED ROADS

FORM A-9
SHEET ____ OF ____
INSPECTION DATE _____

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- AGGREGATE FREE FROM DIRT AND OTHER OBJECTIONABLE MATTER.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- SUBGRADE IS HARD AND NONYIELDING	X		
- IN-PLACE LOCATION AND THICKNESS OF ROADS IS AS SHOWN ON CONTRACT DRAWINGS	X		
- ELEVATION OF TOP OF ROAD IS WITHIN 0.05 FOOT FROM GRADE, PROFILE AND CROSS SECTIONS SHOWN ON CONTRACT DRAWINGS.	X		
3. DUST CONTROL			X

ACTION TAKEN: None Required

4. ROADS LOCATION

DIKE STATIONS 2+00 TO 400 W. Bank

5. REMARKS _____

INSPECTOR Pete Porter DATE 10/29/90

REVIEWED BY _____ DATE 10:30

LTH & SAFETY 10-29-90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1, 1	80, 8, 2
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	none - limited west bank work				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0815	East bank	3/2 trackhoe, dozer	- D	- none
2	0845	West bank	5/Grader, loader	- D	- none
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: ✓ Emps. Out: ✓

Equipment: In: ✓ Out: ✓

Venders Equipment: In: ✓ Out: ✓

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	none				
2					

Accident/Breeches Report: _____

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-29-30

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - limited west bank work

Personnel Sampling None

Name	Date	IWA

Calibration Method for Equipment

N/A

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-29-90

Work Areas Checked: East bank
West bank dike

Employees Present in Work Areas: R. Tracy, R. Edwards, D. Reed, D. Mandell
S. Hunt, B. Mckim, C. Mckim, P. Porter, M. Ettinger

Equipment Being Utilized: 3 backhoes, 2 loaders, dozer, grader.

PPE Being Utilized: Level D

Accidents/Breeches of Procedures:

none

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 29, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	3:43/6:20	/	
C-3 P. Porter	6:32/11:54	12:22/	
C-4 A. Muellerleile	6:40/8:07	12:19/12:30	12:50/1:07 2:35/5:51
C-5 C. Ettinger	6:56/7:56	8:15/8:59	9:16/10:59 10:23/12:00 12:22/5:34
C-6 F. Gontowski	6:58/7:30	8:18/ [redacted]	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:50/10:44	4:12 [redacted] /4:30	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:35/11:36	12:04/ [redacted]	5:33
C-12 C. Mckim	6:35/7:	/	
C-13 G. Reid	6:30/ [redacted] 5:33	[redacted]	
C-14 N. Tracy	6:45/7:10	/	5:23/5:54
C-15 G. Maichele	6:25/6:30	6:44/9:21	10:24/12:00 12:22 1:19/3:05 3:37/4:50
C-16 S. Hunt	6:20/6:30	6:44/11:59	12:17/2:00 2:06/2:27 2:55/3:36 3:39/4:50
C-17 P. Smith	6:45/7:06	5:31/5:36	5:28/5:57
C-18 R. Edwards	6:54/9:21	10:24/12:00	12:22/1:19 2:06/2:27 2:55/3:05 3:39/4:50
C-19 R. Bartles	6:50/10:44	4:12 [redacted] /4:30	5:23/5:32
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 ~~T. Granger~~ D.S. Impedian	11:34/1:02	1:11/6:32	
E-3 S. ~~Stiles~~ C. Bixby	7:38/3:00	/	
E-4 C. Swann	6:51/12:46	1:29/3:55 4:16/	
E-5 T. Yashinski	7:50/12:41	12:49/12:58	1:50/5:53
E-6 R. Colleton	8:33/1:03	1:39/1:50	2:46/3:58 4:33/4:46
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:29/11:30	12:34/1:40	
C/E-2 M. Heywnak	9:26/3:46	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00/2:00	/	
S-4 T. Cobb	1:47/6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 29, 1990

No./Name	Time In/Out	Time In/Out	Remarks
A-2 D. Rall	6:25/7:51	8:33/12:45 1:27/5:40	OHM
A-8 M. Miller	6:25/12:45	1:27/5:40	
A-4 J. Facio	6:56/12:44	1:17/5:20	
A-5 R. Moyer	6:56/12:44	1:17/5:20	
A-6 J. Lovewell	6:56/12:44	1:17/5:20	
A-7 A. Gonzales	6:56/3:59	4:17/5:20	
C/E-3 D. Tingue	7:07/12:00	12:32/3:29	Meyers
C/E-4 R. Crooks	7:07/12:00	12:32/3:29	Landscaping
Mike Ludden	6:56/6:59		Bakers
Manley Clark	8:12/8:29		Ungerman's
Jim Rafter	8:13/8:16	12:03/12:06 3:45/3:49	Spin Rite
J. Mulley	8:14/8:20		Spin Rite
Fred Osmond	8:15/8:22		General/Crusher
Ron Johnson	8:20/8:31	9:51/10:04 11:21/11:34 12:52/1:04	Alfred Atlas, 2:22/2:30 3:49/3:5
Clint Perry	8:20/8:29	9:44/9:51 11:12/11:19 12:44/12:48	2:03/2:10 3:51/3:58
Boyd Green, JR	8:25/8:34	9:50/10:00 11:38/11:40 12:48/12:58	Green's Trucking
Frank Charland	8:29/8:34		General/Crushed
Adams Septic Service	8:44/8:50		
UPS	10:07/10:09		
Tom Gowan	10:12/11:28		Beam Clean
Rick Scutt	10:20/10:55		Shorts Oil Co.
John Perkins	10:30/11:34		
Jim Ball	10:35/10:50		Ball Land Survey
Charlie Baker	10:38/11:09	12:34/12:39 2:46/3:07	
Rudy Roeske	10:45/10:50		Ball Land Survey
Brent Rohebacher	10:45/10:50		"
Robin Yehl	10:45/10:50		"
Boyd Green, SR.	12:03/5:06		Baker's
Jim Tuk	12:17/2:57		DEC
Fed Ex	2:30/2:35		1p.pickup/4pdelivery
OHL Delivery	2:43/2:44		1pc-delivery
Partons busy bee	2:55/3:05		
UPS	3:23/323		
P Porter			
~~J. Berkes~~			
F. Gontowski			
~~Reserved Symptom~~		St. 11 Working	
C. Swann			

PROJECT ENTRY PERMIT

DATE: 10/29/90 TIME IN: — TIME OUT: 7:30 PM

NAME: PETE PORTER

COMPANY: CANONIE

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10/29/90 TIME IN: — TIME OUT: 7:30 PM

NAME: FRANK GONTOWSKI

COMPANY: CANONIE

BADGE No: C-6

Must Be Turned Into Security Within First 2hrs Of Next Work Day

[redacted]

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 28, 1990

Not on site.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 27, 1990

Not on site - called at 10:45 am, no answer.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 27, 1990

Arrived at 6:45 am
Plan of Day:

* Canonie
  * Complete toe trench excavation - East side.
  * Place stockpliled rip rap - East side.
  * Place crest road gravel - station 0-5.
  * Place rip rap south of station 12 West side.
  * Lay filter fabric - NY Dike.

* OHM
  * Begin 1 foot gravel on testfill.
  * Thicken stone on haul road if trucks are available.

* Meyers
  * Set fill stakes using string line.
  * Locate piezometers and obs. well.

Field Observations and Activities:

* Canonie
  * Backhoe removed rock separation berm by working in river - salvaged rock placed in deficient areas of toe trench.
  * Backhoe excavated last section of toe trench on East side at tie in with C.O.E. dike - laid filter fabric and placed bedding stone and rip rap. Also placed rip rap in horizontal rip rap section.
  * Backhoe placed rip rap on West Dike south of station 12.
  * Fine graded top of dike and placed road aggregate from station 0-5.

* OHM
  * Hauled and placed 1 foot of gravel on test pad (section 1) with control on thickness by fill stakes.
  * Ramp rutted deeply. Filter cloth pumped up to daylight in some areas. Coarse cobble fill needs binder - ordered 15 - 20 loads screen rejects at Babbit Clay Pit. +15 loads delivered, spread and compacted by trackwalking.
  * Laborers raking gravel around settlement plates and piezometers.
  * Gravel which heavy hauler dumped at edge of testfill was spread satisfactory with D-4 equiv. wide track dozer. Convinced Dan (OHM) that tracked loader would be required to transport gravel on test pad with spreading and grading to fill stakes provided by D-4. Talked to Charlie regarding his loader and

ultimately Dan ordered it for delivery about 10:00 am Monday.

* Meyers
  * Surveyors used string line to set fill stakes to provide average 1 foot gravel thickness on testfill.
  * Located piezometers and observation wells.

Left site at 7:30 pm.

RECEIVED
OCT 3 0 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 10/27/90 DAY: SAT. HRS.WRK. 10 REPORT NO. 113

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM ____ PM 5.44 (16:45)

PERSONNEL: NON MANUAL EBASCO.C.M. ____ CANONIE.P.S. ____

	F.E/I 1		R.E. 1
	H&SO 1		P.E. 1
	C/SE		QCM
	P.M.		H&SO 1
	HOP 1		P.M.
	"		P.SEC
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	App Surveyors
"		SUPV. 1	EMPS. 1
USCOE/EPA	1	SUB.	
"		SUPV.	EMPS.
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 7

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	6		4	
" 963	10			
" D-6	8			
" D-5	8			
" 12G	8			
(Sheep) Compactor		STAND-BY		
(Smooth) "	8			
Canonie Wtr. Trk		OFF-SITE FOR REPAIRS		
Hertz Wtr. Trk		STAND-BY		
(E. Bank) Cat 235				
Komatsu PC 200	8			
Generator / Steam Genny		STAND-BY		
1/2 ton pickup	10			
mechanic Trucks	11			
Front End Loader	4			

MEETINGS:

PLAN OF DAY E. Bank Continue Finish Work On Toe Trench ; Continue Dismantling Riprap Diversion Berm. W. Bank Place Roadway Aggregate From Sta. 0+00 To 5+00 ; Work On Trimming Slopes & Placing Topsoil ; Continue Placing Riprap Where Needed ; Install Geotextile On NY Dike Fill Slopes

SAFETY Good Safety Practices Being Observed

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Activity #605 - Place West Bank Riprap Protection
Activity #607 - Topsoil & Seed W. Bank Areas
Activity #606 - Construct W. Bank Roadway

EAST BANK Activity #703 - Construct E. Bank Toe Trench

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	953.3
EXCAVATION			BEDDING MATRL	CY	627
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	86 - W. BANK 147 - E. BANK
OIL STAIND	CY		ROAD AGGRTS	SY	252
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	228.2	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	71
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	208.97
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

SET TOP SHOULDER POINTS ON EAST BANK FROM STA. 14+00 TO 18+50;
MARKED CUTS FROM STA. 20+85 TO 29+00

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. BANK	1	NY DIKE 11+75 TO 12+25	A-6	GT		X	
	2		A-8	RIPRAP		X	
	3	0+00 TO 2+00	A-9	ROADWAY AGGREGATE		X	
E. BANK	4	0+00 TO 1+40	A-6	GT		X	
	5	0+00 TO 1+50	A-7	BEDDING		X	
	6	0+00 TO 1+60	A-8	RIPRAP		X	
	7						
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

.TH & SAFETY 10/27/90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1, 2	80, 7, 4
"C"		
"B"		
OTHER		

IR MONITORING:

ample	Time	Location	Instrument	Sample type	Results
1	None - limited west bank work				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0915	East bank	5/2 trackhoes	D	None
2	1245	East bank	5/2 trackhoes	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: ~~/~~ Emps. Out: ~~/~~

Equipment: In: ~~/~~ Out: ~~/~~

Venders Equipment: In: ~~/~~ Out: ~~/~~

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No reportable incidents

C. L. Kay

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY:	CLIENT:	DATE:
FRANK J. GONTOWSKI		10/27/90
CLIENT: SINCLAIR REFINERY SITE	PE/PS	
JOB NO: 88-093	LOCATION OF WORK: WELLSVILLE, NY	

ACTIVITY: WEST BANK

ACTIVITY # 605 - PLACE W. BANK RIPRAP PROTECTION

- PLACED RIPRAP FROM MIDPOINT TO TOP OF SLOPE, FROM STA. 11+75 TO 12+25
- BEDDING & GEOTEXTILE WERE PREVIOUSLY PLACED IN THIS AREA

ACTIVITY # 6006 - CONSTRUCT W. BANK ROADWAY

- PLACED ROADWAY AGGREGATE AS SPECIFIED FROM STA. 0+00 TO 2+00

ACTIVITY # 607 - TOPSOIL & SEED W. BANK AREAS

- COMPLETED TRIMMING INSIDE SLOPES & PLACING TOPSOIL FROM STA. 0+00 TO 9+00

EAST BANK

ACTIVITY # 703 - CONSTRUCT E. BANK TOE TRENCH

- TOE TRENCH EXCAVATION COMPLETED FROM STA. 0+00 TO 1+40; THIS COMPLETES THE TOTAL E. BANK TOE TRENCH EXCAVATION
- PLACE GEOTEXTILE FROM STA. 1+40 TO 0+00; GEOTEXTILE SHEETS PLACED IN GROUPS OF 2 TO 4 AND ARE FASTENED TOGETHER PRIOR TO PLACEMENT
- BEDDING PLACED FROM STA. 0+00 TO 1+50
- RIPRAP PLACED FROM STA. 0+00 TO 1+00

F-941

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

GEOTEXTILE

FORM 6
SHEET ____ OF ____
INSPECTION DATE 10/27/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION
W. BANK – NY DIKE
DIKE STATION 0+00 TO 1+40 E. BANK

5. REMARKS _____

INSPECTOR PETE PORTER DATE 10/27/90

REVIEWED BY [signature] DATE 10.30

BEDDING

FORM 7
SHEET ___ OF ___
INSPECTION DATE _____

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: None Required

4. BEDDING LOCATION

DIKE STATION 0+00 TO 1+50 E. Bank

5. REMARKS _____

INSPECTOR Pete Porter DATE 10/27/90

REVIEWED BY _____ DATE 10.30

FORM A-8
SHEET ____ OF ____

RTP RAP

INSPECTION DATE 10/27/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: NONE REQUIRED

4. RIPRAP LOCATION

DIKE STATION 11+75 0+00 TO 12+25 1+60

5. REMARKS

INSPECTOR PETE PORTER DATE 10/27/90

REVIEWED BY AAA DATE 10.30

AGGREGATE-SURFACED ROADS

FORM A-9
SHEET ____ OF ____
INSPECTION DATE 10/27/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- AGGREGATE FREE FROM DIRT AND OTHER OBJECTIONABLE MATTER.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- SUBGRADE IS HARD AND NONYIELDING	X		
- IN-PLACE LOCATION AND THICKNESS OF ROADS IS AS SHOWN ON CONTRACT DRAWINGS	X		
- ELEVATION OF TOP OF ROAD IS WITHIN 0.05 FOOT FROM GRADE, PROFILE AND CROSS SECTIONS SHOWN ON CONTRACT DRAWINGS.	X		
3. DUST CONTROL			X

ACTION TAKEN: _____

4. ROADS LOCATION

DIKE STATIONS 0+00 TO 2+00

5. REMARKS _____

INSPECTOR Pete Porter DATE 10/27/90

REVIEWED BY MM DATE 10:30

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10/27/90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - limited west bank work

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

N/A

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10/27/90

Work Areas Checked: East bank

Employees Present in Work Areas: D. Reid, M. Tracy, D Mitchell, B. Mckin, C. Mckin, P. Smith, J. Hunt, L. Edwards, F. Porter, A. Mullenlike, M. Ettinger

Equipment Being Utilized: 2 trackhoes, dozer, loader, Grader, Roller

PPE Being Utilized: level D

Accidents/Breeches of Procedures:

none

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 27 OCT 90

No./Name	Time In/Out	Time In/Out	Remarks IN/OUT	IN/OUT	IN/OUT
C-1 D. Dekker	/	/			
C-2 L. Dekker	/	/			
C-3 P. Porter	7:16 / 7:30	8:13 / 9:50	10:15 / 11:55	12:10 / 4:54	5:30 / 6:00
C-4 A. Muellerleile	7:07 / 7:15	7:28 / 11:22	11:38 / 12:30	4:00 / 4:21	
C-5 C. Ettinger	7:05 / 8:17	9:02 / 9:31	11:40 / 12:44	3:12 / 4:24	
C-6 F. Gontowski	/	/			
C-7 C. Chang	/	/			
C-8 J. App	/	/			
C-9 G. Lazusky	6:44 / 7:40	5:16 / 5:28			
C-10 C. Carrow	/	/			
C-11 B. Mckim	6:41 / 11:20	11:40 / 5:15			
C-12 C. Mckim	6:40 / 5:15	/			
C-13 G. Reid	6:47 / 5:15	/			
C-14 N. Tracy	6:46 / 7:11	8:05 / 6:00			3:49 / 4:00
C-15 G. Maichele	6:33 / 6:41	6:54 / 7:11	8:00 / 9:22	11:05 / 12:00	12:20 / 3:07
C-16 S. Hunt	6:33 / 6:41	6:54 / 7:26	7:50 / 8:20	10:00 / 11:22	11:28 / 12:02
C-17 P. Smith	6:47 / 7:11	5:59 / 6:00			
C-18 R. EDWARDS	6:56 / 7:50	8:05 / 9:22	3:03 / 3:07	5:24 /	
C-19 D. BARTELS	6:44 / 7:40	5:16 / 5:28			
C-~~15~~ G. MAICHELE	4:29 / 4:36	5:35 / 5:50			
C-17 S. HUNT	12:20 / 1:03	1:30 / 3:07	3:32 / 3:49	4:28 / 4:36	5:35 / 5:50
E-1 G. Stiles	/	/			
E-2 T. Granger	/	/			
E-3 S. Stiles	/	/			
E-4 C. SWANN	6:52 / 8:12	9:59 / 12:37	1:42 / 3:31	4:00 / 6:30	
E-5 F. CASEY	7:01 / 12:42	1:05 / 5:18			
E-6 D. SIMPADIAN	7:00 / 8:05	9:00 / 12:42	1:05 / 5:03		
[redacted]	/	/			
A-2	/	/			
A-4	/	/			
C/E-1 D. Stubbs	9:15 / 12:45	/			
C/E-[redacted]	/	/			
C/E-[redacted]	/	/			
C/E-[redacted]	/	/			
S-1 Jon Palmer	/	/			
S-2 A. Palmer	/	/			
S-3 Jerry Palmer	/	/			
S-4 T. Cobb	/	/			
S-5 A. Fox	6:00 / 16:30	/			
S-6	/	/			

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 27 OCT 90

No./Name		Time In/Out	Time In/Out	Time In/Out	Time In/Out	Remarks
A2	D. RALL	6:31/12:07	12:58			OHM
A8	M. MILLER	6:31/12:07	12:53			
[redacted]						
A5	R. MOYER	6:59/12:07	12:44/5:05			
A6	J. LOVELL	6:59/12:07	12:44/5:05			
A4	A GONZALEZ	6:59/12:07	12:44/5:05			OHM
C/E3	D. TINGUE	7:03/12:07	12:44/2:55			MEYERS LANDSCAPING
C/E4	R. COOKS	7:03/12:07	12:44/2:55			"
[redacted]						HITTMAN, EBASCO
[redacted]						"
C. SMITH	HG 7897	8:05/8:32	10:00/10:20	11:47/12:02		ALFRED/ATLAS
D. JONES	CT 1171	8:06/8:32	10:00/10:20	11:47/12:02		"
HG7897		1:14/1:22	2:38/2:47	4:00/4:19		
CT 1171		1:14/1:22	2:38/2:47	4:00/4:19	4:23/4:32	
T-9		1:52/2:00	2:22/2:32	3:20/3:23	4:03/4:08	
T-8		1:55/2:05	2:25/2:35	2:53/2:58	3:14/3:19	3:34/3:39
T-10		3:20/3:23	3:49/3:58			
T-8		3:54/3:57	4:22/4:31			
T-10		4:11/4:15	4:32/4:35			
CHARLIE BAKER		3:26/3:30	4:33/4:47			
F. OSMOND		8:50/9:27				SHORT'S OIL
HANK WEBSTER		11:15/11:18				PERSONAL FOR AL FOX
JACK WEBSTER		11:16/11:18	11:43/11:44			"
CHARLIE BAKER		11:44/12:20	2:22/2:26			BAKER TRUCKING
BOYD GREEN SR		12:27/12:37	1:47/1:52	3:07/3:14		GREEN TRUCKING
JOHN PERKINS		T-9				BAKER TRUCKING
DALE BAKER		T-8				" "
BOYD GREEN SR		T-10				

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 26, 1990

Arrived at: 7:00 am
Plan of Day:

* Canonie
  * Excavate toe trench, install filter fabric and place bedding stone and rip rap on East side.
  * Haul clay from Babbit Pit to bring T.O.D. to new grade.
  * Place rip rap on West Dike.

Field Observations and Activities:

* Canonie
  * Excavated toe trench, shaped bank, installed and placed bedding stone and rip rap on East side.
  * Placed and compacted Babbit clay to bring top of West Dike to new grade - hauled from 8:00 am until 3:00 pm.
  * Fine graded Dike surface (station 0+00 to 5) in preparation for road gravel.
  * Placed rip rap on West Dike.
  * Swan/Stubbs approved rip rap from station 0 to +- 9 pending reworking of several local areas where stone was thin or segregated.

* OHM
  * Completed installation of geotextile in sections 3 and 4 of testfill. Increased overlap to 5 feet plus to avoid separation during fill placement.
  * Completed installation of 2nd layer of filter fabric in sections 1 and 2 as directed by NY.
  * Installed filter fabric on haul road.
  * Received Cobble gravel from Charlie Baker and spread on haul road. Compacted by track walking and wheels of Rupp heavy hauler. Cobbles are rounded and tend to displace - may require binder. Received 3 loads of cobble gravel in am and remaining 19 after 2:30 pm when Canonie finished hauling clay.

Left site at 7:00 pm.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 26, 1990

Arrived at 6:10 am
Plan of Day:

* Canonie
  * Slope protection E/B.
  * Toe trench protection E/B.
  * Raise West Dike elevation.
  * Work slopes W/D.

* OHM
  * Place Geo textile fabric.
  * Place gravel pad.

* Doug Meyers
  * Monitor gravel placement.

Walked step by step through the testfill construction with Dan Raul, Cal and Diran.

Called Charlie Baker he is to deliver Geo fabric this morning and start hauling stone for road at 8:00 am.

Left job site at 7:45 am.

Called site at 1:30 pm talked with Cal.

* Have only received 2 loads of stone.
* Hittman man showed up - needs trailer, folding tables and 20 amp dedicated service - Cal put him in the ARCO trailer.
* DEC - Jim Tuck is on site.

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 10-26-90 DAY: FRI HRS.WRK. 10 REPORT NO. 18

WEATHER INFORMATION:

TEMPATURE: High 40 Low 30 WIND: Mph. 5-10 Dir. SW

PRECIPITATION: 0.04" HUMIDITY: —

PERSONNEL: NON-MANUAL

EBASCO.	C.M.	Ø	SUB.	
	F.E/I	Ø	SUPT.	
	H&SO	1	ENG.	
	C/SE	1	LABOR	
	P.M.	Ø	OPER.	
	HOP	1	OTHER	
	"		SUB.	
	"		SUPT.	
ARCO	P.M.	Ø	ENG.	
	OTHERS	Ø	LABOR	
	"		OPER.	
USCOE/EPA		1	OTHER	
	"			

VISITORS HITTMAN-EBASCO - 2

SURVEYOR DOUG MYERS 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe		SEE		
Compactor				
Compactor		OHM		
Dump Trk.				
Dump Trk.				
Others		REPORT		
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY OHM: WORK ON RAMP TO CELA
PLACE 2ND LAYER OF GEOTEXTILE FABRIC ON
SECTIONS 1 & 2 OF TEST FILL
DOUG MYERS: SET GRAVEL FILL STAKES AT TEST FILL; CROSS
SECTION TEST FILL

SAFETY FOLLOW INSTRUCTION OF H&S SUPV. BE
AWARE OF EQUIPMENT WORKING AROUND YOU.

SCHEDULED OHM: DAILY H&S MEETING

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION - PLACE 2ND LAYER OF GEOTEXTILE
FABRIC ON SECTIONS 1&2 OF TEST FILL, WORK
ON RAMP TO TESTFILL; PLACE CRUSHED STONE
- SET GRAVEL FILL STAKES ON TEST FILL

SLA EXCAVATION: SEE OHM REPORT

WASTEPILE CONSTRUCTION: SEE OHM REPORT

OTHER: SEE CANONIE REPORT

10/26

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	Ø	TESTFILL CONST.	CY	Ø
			AGGREGETES	TON	Ø
			SETTLEMENT PLATES	EA	Ø
			OBSERVATION WELLS	EA	Ø
			GEOTEXTILE FAB	SY	700
EXCAVATION			BEDDING MATERIAL	TON	Ø
GEOWASTE MATERIAL	CY	Ø	GEOTEXTILE FAB	SY	Ø
CANTAMINATED WASTE	CY	Ø	CAYMAX	SY	Ø
CLEAN	CY	Ø	GEOMEMBRANE	SY	Ø
SLA	CY		MISC. GEOTEXTILE FABRIC	SY	1440
MISC.		Ø	" ON ACCESS ROAD		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	Ø	GEOTEXTILE FAB	SY	1440
OBSERVATION WELLS	EA	Ø	BEDDING MATERIAL	CY	Ø
AGGREGATES	CY	Ø	GEOMAMBRANE	SY	Ø
CLAYMAX	CY	Ø	EQUIP. FUEL&LUBE	GAL	Ø
MISC.		Ø	MISC. CRUSHED STONE	CY	300

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS		NONE	
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO	NONE	
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

SEE OHM REPORT Attached report required by Contract document

" " " " " "

" " " " " "

" " " " " "

COMMENTS NONE

TECHINICAL CONCERNS/PROBLEMS:

SLA MATERIAL MAY NOT MEET COMPACTION REQUIREMENTS OF THE SPECS.

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	15	82
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 15 Emps. Out: 15

Equipment: In: Out:

Venders Equipment: In: Out:

ACCUDEBTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage Response
1			—NONE—	
2				

Accident/Breeches Report: —NONE—

RECEIVED

OCT 29 1990

EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 10/26/90 DAY: FRI HRS.WRK. 10 REPORT NO. 112

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM 5.62 (6:45) PM ____

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I 1		R.E. 1
	H&SO 1		P.E. 1
	C/SE		QCM 1
	P.M.		H&SO 1
	HOP 3		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	App Surveyors
"		SUPV.	EMPS. 2
USCOE/EPA	4	SUB.	
"		SUPV.	EMPS.
VISITORS			

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 7

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	8			
" D-5	8			
" 12G	8			
(Sheep) Compactor	5			
(Smooth) "	8			
Canonie Wtr. Trk		OFF-SITE FOR REPAIRS		
Hertz Wtr. Trk		STAND-BY		
(E. Bank) Cat 235	10			
Komatsu PC 200	8			
Generator / Steam Genny		STAND-BY		
1/2 ton pick-up	10			
Mechanic Trucks	11			
Front End Loader	5			

MEETINGS: W. BANK

PLAN OF DAY CONTINUE HAULING BABBIT CLAY ; CONTINUE PLACING RIPRAP WHERE NEEDED E. BANK COMPLETE TOE TRENCH ; PULL IN DIVERSION BERM RIPRAP ; CONTINUE WORK ON TOP OF E. BANK SLOPE & BENCH AREAS

SAFETY

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #604 - CONSTRUCT WEST BANK DIKE
#605 - PLACE W. BANK RIPRAP PROTECTION
- INSPECTION OF W. BANK RIPRAP

EAST BANK #703 - CONSTRUCT E. BANK TOE TRENCH
#705 - PLACE E. BANK RIPRAP PROTECTION

RIVER (Any activity performed in water or gravel bar)

OTHER

PAGE: _____ OF ___

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	72
NON-CONTNTD	CY		CLAY FILL	CY	489
CONTNTD	CY		GEOTEXTILE FAB	SY	346.7
EXCAVATION			BEDDING MATRL	CY	13
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	21.5 - W. BANK 408.0 - E. BANK
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	164.2	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	6000
COMMON FILL	CY		BEDDING MATRL.	CY	71
PIT RUN FILL	CY	72	RIP-RAP MATRL.	TON	613.39
CLAY FILL	CY	489	ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: N.A.

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Continued Setting Of Field Stakes For Top Of Dike Clay Elevations According To Modification

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank	1	13+00 To 22+31	A-5	Dike Fill		X	
	2	10+25 To 11+75	A-8	RipRap		X	
E. Bank	3	13+00 To 13+75	A-6	GT		X	
	4	13+00 To 13+75	A-7	Bedding		X	
	5	13+00 To 13+75	A-8	RipRap		X	
	6						
	7						
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS Test Run on Clay Embankment

TECHINICAL CONCERNS/PROBLEMS:

L[illegible] & SAFETY 10-26-90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1, 1	80, 5, 9
"C"		
"B"		
OTHER		

[illegible] MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
	None - limited west bank work				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inspections	Time	Location	No. emps./equip.	PPE level	Violation
1	0915	East bank	5/2 trucks, dozer	B	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: _____ Emps. Out: _____

Equipment: In: _____ Out: _____

Venders Equipment: In: _____ Out: _____

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: _____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No Incidents or accidents to report today —— October 26, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: FRANK GONTOWSKI | CLIENT: | DATE: 10/26/90

CLIENT: SINCLAIR REFINERY | PE/PS:

JOB NO: 88-093 | LOCATION OF WORK: WELLSVILLE, NY

ACTIVITY: WEST BANK

ACTIVITY #604 - CONSTRUCT W. BANK DIKE & #605 - PLACE W. BANK RIPRAP PROTECTION

- CONTINUED PLACEMENT OF DIKE FILL TO MODIFIED ELEVATIONS FROM STA. 13+00 TO 22+31
- PLACED RIPRAP, FROM MIDPOINT TO TOP OF SLOPE, FROM STA. 10+25 TO 11+75
- DIKE FILL COMPACTED W/ SMOOTH DRUM ROLLER TO SPECIFIED DENSITY
- TRIMMED TOP OF DIKE TO MODIFIED ELEVATIONS FROM STA. 0+00 TO 5+00 & COMPACTED W/ ROLLER; SURFACE READY FOR PLACEMENT OF ROADWAY AGGREGATE; THIS AREA APPROVED BY CAL SWAN OF EBASCO

- INSPECTION OF WEST BANK RIPRAP PERFORMED BY CAL SWAN (EBASCO), FRANK GONTOWSKI (CANONIE) & DOREN STUBBS (COE); PLACEMENT OF RIPRAP APPROVED FROM STA. 0+00 TO 9+20, WITH THE EXCEPTION OF SEVERAL ISOLATED "THIN" AREAS; THESE AREAS WERE MARKED IN THE FIELD & WILL BE FILLED W/ ADDITIONAL RIPRAP AT A LATER DATE

EAST BANK

ACTIVITY #703 - CONSTRUCT E. BANK TOE TRENCH & #705 - PLACE E. BANK RIPRAP PROTECTION

- COMPLETED TOE TRENCH EXCAVATION FROM STA. 13+00 TO 13+75
- PLACED GEOTEXTILE, BEDDING & RIPRAP IN TOE TRENCH EXCAVATION
- STARTED DISMANTLING RIPRAP DIVERSION BERM @ SOUTH END; PLACED RIPRAP IN TOE TRENCH
- COMPLETED CONSTRUCTION OF SLOPES & BENCHES FROM STA. 2+25 TO 5+50

941

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

ILL MATERIAL ABOVE WATER SURFACE

SHEET ___ OF ___
INSPECTION DA 10/26/90

MATERIAL	ACCEPT	REJECT	N/A
- BORROW MATERIAL OBTAINED FROM BORROW AREA APPROVED BY CONSTRUCTION MANAGER	X	___	___
- FREE OF DEBRIS, ROOTS, ORGANIC OR FROZEN MATERIAL, STONES 3 INCH AND LARGER IN EQUIVALENT DIAMETER	X	___	___
2. PLACEMENT			
- INSPECT KEY TRENCH FOR FREE STANDING WATER AND/OR ORGANIC MATERIAL BEFORE PLACEMENT OF DIKE FILL	___	___	X
- EXISTING GRADE IS SCARIFIED	X	___	___
- MAXIMUM LOOSE LIFT OF 12"	X	___	___
- INSPECT LAYER OF FILL OR EXISTING GRADE FOR PROPER MOISTURE CONTENT (± 2% OF OPTIMUM) PRIOR TO PLACEMENT OF NEXT LIFT.	X	___	___
- SURVEYOR VERIFY DIKE ALIGNMENT, SLOPES, CONFIGURATION AND DIMENSIONS IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.	X	___	___
3. VERIFICATION TESTING			
- 1 DENSITY TEST FOR EACH 750 CU. YDS. OR EACH AREA COMPLETED IN ONE DAY WHICHEVER IS LESS (AT LEAST 95% OF MAXIMUM DRY DENSITY)	X	___	___
- 1 MOISTURE CONTENT TEST (BETWEEN +2% AND -2% OF OPTIMUM) FOR EACH 750 CU. YDS. OR EACH AREA COMPLETE IN ONE DAY WHICHEVER IS LESS.	X	___	___

4. DUST CONTROL ACTION TAKEN: None Required

5. FILL LOCATION DIKE STATION 13+00 TO 22+31

6. REMARKS ___

INSPECTOR Frank Gontowski/Pete Porter DATE 10/26/90

REVIEWED BY [signature] DATE 10.29

GEOTEXTILE

FORM 1
SHEET ___ OF ___
INSPECTION DATE 10/26/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 13+00 TO 13+75 E. BANK

5. REMARKS _____

INSPECTOR FRANK CONTOWSKI DATE 10/26/90

REVIEWED BY MM DATE 10.29

BEDDING

FORM
SHEET ___ OF ___
INSPECTION DATE 10/26/90

	ACCEPT	REJECT	N.A.
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: None Required

4. BEDDING LOCATION

DIKE STATION 13+00 TO 13+75 E. Bank

5. REMARKS

INSPECTOR Frank Gontowski DATE 10/26/90

REVIEWED BY [signature] DATE 10.29

RIP RAP

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10/26/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: None Required

4. RIPRAP LOCATION

DIKE STATION 10+25 (W. Bank) 13+00 TO 11+75 (E. Bank) 13+75

5. REMARKS

INSPECTOR Frank Gontowski/Pete Porter DATE 10/26/90

REVIEWED BY [signature] DATE 10.29

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 10-26-90

Non-Use or Mis-Use of PPE

None

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations

None

Job-Related Illness or Injuries

None

Weather Data 10/22/90 - Rain/showers
10/23/90 - Rain
10/24/90 - pt cloudy
10/25/90 - pt cloudy (morning fog)
10/26/91 - pt cloudy

Air Monitoring Summary

None - limited west bank work

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-26-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - limited west bank work

Personnel Sampling None

Name	Date	IWA

Calibration Method for Equipment

N/A

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-26-90

Work Areas Checked: East bank

Employees Present in Work Areas: G. Reid, D mackell, S Hunt, K. Smith, N. Tracy, B. Mckim, C. mckim, L. Edwards, K. Ethinger, F. Porter

Equipment Being Utilized: 3 trackhoes, loader, dozer, Grader, Roller

PPE Being Utilized: level - D

Accidents/Breeches of Procedures: none

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 26, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:39/7:54	8:19/9:14 10:14/10:40 12:34/1:24	
C-2 L. Dekker	6:39/11:24	/	
C-3 P. Porter	6:43/12:14	12:46/6:10	
C-4 A. Muellerleile	7:09/10:56	11:07/12:14 12:46/6:02	
C-5 C. Ettinger	6:58/8:07	1:05/2:26 3:37/5:58	
C-6 F. Gontowski	6:56/9:07	1:14/2:29	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:54/11:52	12:08/5:33	
C-10 C. Carrow	6:54/11:52	12:08/5:33	
C-11 B. Mckim	6:39/3:28	3:37/4:03 4:53/5:28	
C-12 C. Mckim	6:35/5:28	/	
C-13 G. Reid	6:35/5:28	/	
C-14 N. Tracy	6:46/7:07	5:33/5:42	
C-15 G. Maichele	6:31/6:35	6:30/7:08 5:48/5:54	
C-16 S. Hunt	6:30/6:35	6:30/7:11 12:40/12:52 1:05/4:26 5:46/5:49	
C-17 P. Smith	6:43/7:08	/	
C-18 R. EDWARDS	6:46/7:35	5:25/5:35	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:32/7:33	/	
E-2 ~~T. Granger~~ C. Bixby	8:50/3:01	/	
E-3 S. Stiles	/	/	
E-4 C. Swann	6:56/7:43	8:01/1:30 2:28	
E-5 E. Casey	7:04/12:20	1:08/3:45 4:17	
E-6 D. Simpadian	6:58/12:06	12:46/1:00 1:59	
~~A-1~~ E-7 A. Patterson	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:40/1:17	/	
C/E-2 D. Bingert	9:40/11:48	1:08/11:17	
C/E-3 D. Boyle	9:40/11:48	1:08/11:17	
C/E-4 M. Heywnak	10:34/13:07	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00/12:00	/	
S-4 T. Cobb	1:55/6:50	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 26, 1990

No./Name		Time In/Out	Time In/Out					Remarks
A-2	D. Rall	6:52/9:18	10:06/10:52	11:12/12:05	12:46/1:50	2:04/		OHM
A-3	M. Miller	6:52/~~10:03~~	12:05	12:46/				"
A-4	J. Facio	6:58/12:03	12:48/3:38					"
A-5	R. Moyer	6:58/12:03	12:48/					"
A-6	J. Lovewell	6:58/12:03	12:48/ [redacted] 3:38					"
A-7	A. Gonzales	6:58/10:03	10:35/					"
C/E-3	D. Tingue	6:56/12:00	12:36/4:11					Meyer's Landscaping
C/E-4	R. Crooks	6:56/12:00	12:36/4:11					Landscaping
E-9	R. Colleton	8:19/11:54	12:53/4:34					Hittman Ebasco
E-7	J. Fackett	8:19/11:54	12:53/4:34					"
A-3	7:50/8:01	8:22/8:30	8:51/8:59	9:18/9:27	9:45/9:54	10:12/10:20	10:38/10:46	
A-4	9:07/9:14	9:31/9:41	9:56/10:03	10:22/10:27	10:46/10:52	11:10/11:19	11:36/11:39	
A-5	9:15/9:32	10:41/10:48	11:05/11:15	11:44/11:48	11:56/12:04	12:23/12:28	12:44/12:54	
A-6	10:50/10:55	11:10/11:28	11:33/11:49	12:06/12:09	12:30/12:34	12:51/12:56	1:16/1:19	
A-3	11:04/11:10	11:28/11:35	11:52/12:00	12:19/12:25	12:46/12:50	1:12/1:16	2:45/2:50	[redacted]
A-4	12:09/12:15	12:38/12:44	1:01/1:06	1:25/1:29	1:51/1:55	2:15/2:19	2:39/2:43	
A-5	1:13/1:21	1:38/1:42	1:57/2:01	2:20/2:28				
A-6	1:38/1:43	2:19/2:24						
		For EBASCO ↓						
A-3	3:29/3:35	4:03/4:09	4:30/4:36	5:02/5:08	6:20/6:27			
A-4	4:06/4:11	4:40/4:44	5:08/5:14	6:21/6:27				
A-5	3:54/3:59	4:20/4:24	4:45/4:49	5:13/5:18	6:30/6:37			
A-6	3:47/3:50	4:12/4:18	4:41/4:46	5:09/5:15	6:24/6:30			

			FOR:
A-3	Russ Layton	REO Giant	Canonie
A-4	Boyd Green	T-10	"
A-5	Dale Baker	T-8	EBASCO
A-6	John Perkins	T-9	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 26, 1990

No./Name	Time In/Out	Time In/Out	Remarks
Jim Rafter	8:20/8:25	11:57/12:05 3:56/4:04	Spin Rite
Baker's truck	8:25/8:34		filter fabric deliv.
UPS	10:10/10:13		
Rick Scutt	11:02/11:33		Shorts Oil Co.
Fred Osmond	12:32/12:44		General Crushed
Frank Chapland	12:37/12:46		"
Roger Sick	12:37/12:48		"
Jim Lapey	1:00/1:32		Rupp Rental
Tom Gowan	1:45/3:37		Beam Clean
Airway Freight	1:50/1:55		
Wason's Delivery	2:16/2:26		textile
Fed Ex	2:26/2:33		4pc. delivery/2pc. pickup
DHL Delivery	2:43/2:43		1pc. delivery
Charlie Baker	3:25/3:33		
UPS	3:35/3:27		2pc. pickup

C. Swann
E Casey
V. Simpadian
C. Rall
M. Miller
R. Moyer
A. Gonzalez
— all still here

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 25, 1990

Arrived at 7:00 am
Plan of Day:

* Canonie
  * Excavate toe trench, fill eroded bank, place filter fabric, bedding stone and rip rap on East Dike.
  * Raise West dike with Babbit clay to new profile.
  * Place rip rap on West dike.

Field Observations and Activities:

* Canonie
  * Excavated toe trench, placed filter fabric, bedding stone and rip rap vicinity station 13+00 on West Dike.
  * Filled eroded area with toe trench gravel after allowing to drain overnight. Material placed in one lift with compaction of finished slope provided with backhoe bucket.

* OHM
  * Loaded and hauled SLA material to access ramp with compaction provided by tracks of wide track dozer. Heavy haulers rut deeply and bog down in high moisture diatomaceous material. After many attempts one truck made it to the top with deep rutting. It was determined that filter fabric and stone road would be required for repetitive heavy hauling of SLA and testfill material. Installed one roll of filter fabric and ordered of plus 2" GC from Babbit Pit for delivery tomorrow.

  * Completed roll out of filter fabric on North half of testfill area with 5 feet of overlap.

  * Received Gary's approval to rent Charlie Bakers frontend loader on existing purchase order if needed. Also +2 inch stone from Babbit Pit for access ramp road.

  * Natural moisture content of some SLA material (diatomaceous earth is 99% as compared to optimum moisture of 23%). Will not be able to achieve 90% of standard proctor unless dry back is achieved. Such dry back is not feasible this time of year and may not be feasible for conventional earth work in best drying months.

Left site at 7:00 pm.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 25, 1990

Arrived at 6:20 am
Plan of Day:

* Canonie
  * Construct toe trench E/B.
  * Place slope protection E/B.
  * Place slope protection W/B.

* OHM
  * Set settlement plates.
  * Lay additional layer of Geo Fabric.
  * Excavate SLA.

* Doug Meyers
  * Topo testfill area.
  * Map settlement plates.
  * Set fill stakes for gravel.

Dave D. asked about additional clay for top of West Dike, I told him that the profile that I gave Allen was the height that the dike would be built to , if it takes more clay then he would have to bring it in.

OHM working settlement plates. Ramp to top of CELA is to soft to support heavy haulers - will have to put down fabric and stone to ever be able to haul material up to testfill area. I ordered fabric and stone for Friday delivery.

Received quotes for dike extension, from Baker of Jerico Hills and OHM Corp.

Weekly progress meeting - see meeting minutes.

Mike Hyrwnak - USCOE - had questions

* What was the schedule for testfill construction - I told him that we would set the settlement plates and place the gravel and then we would concentrate on excavation and relocation of SLA.
* When will the sampling and testing of SLA take place. I told him we planned to start next week as soon as the Lab is in place. He said that he thought we had to wait until all of the SLA waste was removed - I told him we would start as soon as we had an area large enough for 2 or 3 geids 14'x14' each. He said they wanted to take samples also.
* When will the showers be in place. We will be moving the decon trailer in place as soon as it drys out.
* Dike extension is in phase III? I told him this was a mod. to the River Channelization and not a part of

phase III.

Tom called.

* Turco's slides - Fed-x to him.
* Daily reports sent ut via Fed-x today.
* Canonie invoice - I asked to have Vanu and Roland come to site and set down with Canonie and reach an understanding on each pay item. Tom will set this up.
* Discussed bids received - will fax to Tom and shake them down.
* Tom will talk with Jay Jonier about schedule program.

RECEIVED
OCT 27 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 10-25-90 DAY: THURS HRS.WRK. 10 REPORT NO. 17

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I Ø SUPT._____

H&SO 2 ENG._____

C/SE 1 LABOR_____

P.M. Ø OPER._____

HOP 1 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. Ø ENG._____

OTHERS Ø LABOR_____

" _____ OPER._____

USCOE/EPA Ø OTHER_____

" _____

VISITORS Ø

SURVEYOR DAVE MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe				
Compactor		SEE		
Compactor				
Dump Trk.		OHM		
Dump Trk.				
Others		REPORT		
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY OHM: EXCAVATE SLA ; WORK ON RAMP TO CELA ; PLACE GEOTEXTILE FABRIC ON SECTIONS 3 & 4 TEST FILL
DOUG MYERS : CROSS SECTION T/F ; SET GRAVEL FILL STAKES @ T/F

SAFETY FOLLOW INSTRUCTION OF H&S SUPV. BE AWARE OF EQUIPMENT WORKING AROUND YOU

SCHEDULED WEEKLY PROGRESS MEETING - SEE WEEKLY PROGRESS MEETING MINUTES

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION - INSTALL GEOTEXTILE FABRIC ON SECTIONS 3 & 4
- SURVEY ELEVATIONS OF SETTLEMENT PLATES IN SECTIONS 3 & 4

SLA EXCAVATION: SEE OHM REPORT

WASTEPILE CONSTRUCTION: SEE OHM REPORT

OTHER: SEE CANONIE REPORT

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	Ø	TESTFILL CONST.	CY	Ø
			AGGREGETES	TON	Ø
			SETTLEMENT PLATES	EA	Ø
			OBSERVATION WELLS	EA	Ø
			GEOTEXTILE FAB	SY	120
EXCAVATION			BEDDING MATERIAL	TON	Ø
GEOWASTE MATERIAL	CY	Ø	GEOTEXTILE FAB	SY	Ø
CANTAMINATED WASTE	CY	Ø	CAYMAX	SY	Ø
CLEAN	CY	Ø	GEOMEMBRANE	SY	Ø
SLA	CY	864	MISC. GEOTEXTILE FABRIC ON ACCESS RD	SY	480
MISC.		Ø	"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	Ø	GEOTEXTILE FAB	SY	Ø
OBSERVATION WELLS	EA	Ø	BEDDING MATERIAL	CY	Ø
AGGREGATES	CY	Ø	GEOMAMBRANE	SY	Ø
CLAYMAX	CY	Ø	EQUIP. FUEL&LUBE	GAL	Ø
MISC.			MISC.		Ø

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON		NONE	
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO	NONE	
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

SEE OHM REPORT Attached report required by Contract document

" " " " " "

" " " " " "

" " " " " "

COMMENTS RAMP TO CELA HARD TO COMPACT

TECHINICAL CONCERNS/PROBLEMS:

- NEED GEOTEXTILE FABRIC WITH CRUSHED STONE TO STABILIZE RAMP
- SLA MATERIAL MAY NOT MEET COMPACTION REQUIREMENTS IN THE SPECS

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	13	76
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 13 Emps. Out: 13

Equipment: In: Out:

Venders Equipment: In: Out:

ACCUDEBTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage Response
1				
2			NONE	

Accident/Breeches Report: NONE

RECEIVED
OCT 26 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 10/25/90 DAY: THURS. HRS.WRK. 10 REPORT NO. 111

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM 5.74 PM ____

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I 1		R.E. 1
	H&SO		P.E. 1
	C/SE		QCM 1
	P.M.		H&SO 1
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	
"		SUPV. ____ EMPS.	
USCOE/EPA	2	SUB.	
"		SUPV. ____ EMPS.	
VISITORS			

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 7

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	8			
" D-5	5			
" 12G	8			
(Sheep)Compactor		STAND-BY		
(Smooth) "	10			
Canonie Wtr. Trk		OFF-SITE FOR REPAIRS		
Hertz Wtr.Trk		STAND-BY		
(E. Bank) Cat 235	10			
Komatsu PC 200	10			
Generator / Steam Genny		STAND-BY		
½ ton pickup	10			
Mechanic Trucks	10			
Front End Loader	10			

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	765.0
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	~~CY~~ TON	78.73
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	739.13
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	~~CY~~ TON	80.9
PIT RUN FILL	~~CY~~ TON	132.9	RIP-RAP MATRL.	TON	
CLAY FILL (BASE)	CY	765	ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Reset Revised Top Of Dike Grade Stakes As Per Modification

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank	1	0+00 - 13+00	AS	Babbit Fill		X	
	2	15+25 - 16+75	A-7	Bedding		X	
	3	15+25 - 13+75	A-6	GT		X	
E. Bank	4	15+35 - 13+75	A-7	Bedding		X	
	5	15+50 - 13+65	A-8	Riprap		X	
	6						
	7						
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

MEETINGS:

PLAN OF DAY E. BANK - CONT. TOE TRENCH EXCAVATION & INSTALLATION OF GEOTEXTILE, BEDDING & RIPRAP WILL CONTINUE
W. BANK - HAUL & PLACE FILL TO THE MODIFIED W. BANK DIKE ELEVATIONS

SAFETY

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK ACTIVITY #604 - CONSTRUCT WEST BANK DIKE

EAST BANK ACTIVITY #703 - CONSTRUCT E. BANK TOE TRENCH
ACTIVITY #705 - PLACE E. BANK RIPRAP PROTECTION

RIVER (Any activity performed in water or gravel bar)

OTHER

FILL MATERIAL ABOVE WATER SURFACE

FORM A-5
SHEET ____ OF ____
INSPECTION DATE _____

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BORROW MATERIAL OBTAINED FROM BORROW AREA APPROVED BY CONSTRUCTION MANAGER	X	____	____
- FREE OF DEBRIS, ROOTS, ORGANIC OR FROZEN MATERIAL, STONES 3 INCH AND LARGER IN EQUIVALENT DIAMETER	X	____	____
2. PLACEMENT			
- INSPECT KEY TRENCH FOR FREE STANDING WATER AND/OR ORGANIC MATERIAL BEFORE PLACEMENT OF DIKE FILL	____	____	X
- EXISTING GRADE IS SCARIFIED	X	____	____
- MAXIMUM LOOSE LIFT OF 12"	X	____	____
- INSPECT LAYER OF FILL OR EXISTING GRADE FOR PROPER MOISTURE CONTENT (± 2% OF OPTIMUM) PRIOR TO PLACEMENT OF NEXT LIFT.	X	____	____
- SURVEYOR VERIFY DIKE ALIGNMENT, SLOPES, CONFIGURATION AND DIMENSIONS IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.	X	____	____
3. VERIFICATION TESTING			
- 1 DENSITY TEST FOR EACH 750 CU. YDS. OR EACH AREA COMPLETED IN ONE DAY WHICHEVER IS LESS (AT LEAST 95% OF MAXIMUM DRY DENSITY)	X	____	____
- 1 MOISTURE CONTENT TEST (BETWEEN +2% AND -2% OF OPTIMUM) FOR EACH 750 CU. YDS. OR EACH AREA COMPLETE IN ONE DAY WHICHEVER IS LESS.	X	____	____

4. DUST CONTROL ACTION TAKEN: None Required

5. FILL LOCATION West Bank
DIKE STATION 0+00 TO 13+00

6. REMARKS _____

INSPECTOR Frank Gontowski / Pete Porter DATE 10/25/90

REVIEWED BY MM DATE 10.25

GEOTEXTILE

FORM 6
SHEET ____ OF ____
INSPECTION DATE _____

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION (EAST BANK)

DIKE STATION 13+75 TO 15+25

5. REMARKS _____

INSPECTOR FRANK CONTOWSKI DATE 10/25/90

REVIEWED BY [illegible] DATE 10.25

BEDDING

FORM 7
SHEET ____ OF ____
INSPECTION DATE _____

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: None Req'd

4. BEDDING LOCATION (E. Bank) (W. Bank)

DIKE STATION 13+75 TO 15+35 15+25 To 16+75

5. REMARKS _____

INSPECTOR Frank Gontowski / Pete Porter DATE 10/25/90

REVIEWED BY AM DATE 10.25

FORM A-8
SHEET ____ OF ____
INSPECTION DATE _____

RIP RAP

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: None Req'd

4. RIPRAP LOCATION (E. Bank)

DIKE STATION 13+85 TO 15+50

5. REMARKS _____

INSPECTOR Frank Gontowski DATE 10/25/90

REVIEWED BY ~~WA~~ DATE 10.25

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: FRANK GONTOWSKI | CLIENT: | DATE: 10/25/90

CLIENT: SINCLAIR REFINERY PROJECT | PE/PS:

JOB NO: 88-093 | LOCATION OF WORK: WELLSVILLE, NY

ACTIVITY:

WEST BANK

ACTIVITY #604 - CONSTRUCT WEST BANK DIKE

- RAISED DIKE W/ BABBIT FILL TO REVISED GRADES PROVIDED BY THE MODIFICATION FROM STA. 0+00 TO 13+00
- FILL COMPACTED W/ SMOOTH DRUM ROLLER
- BEDDING PLACED ON SLOPES, FROM MID-POINT TO TOP, FROM STA. 15+25 TO 16+75
- ALL WORK PERFORMED & ALL MATERIALS PLACED AS SPECIFIED.

EAST BANK

ACTIVITY #703 - CONSTRUCT E. BANK TOE TRENCH

- PERFORMED TOE TRENCH EXCAVATION FROM STA. 13+75 TO 14+50
- PLACED GEOTEXTILE FROM STA. 13+75 TO 15+25
- PLACED BEDDING FROM STA. 13+75 TO 15+35
- PLACED RIPRAP FROM STA. 13+85 TO 15+30
- ALL WORK PERFORMED & ALL MATERIALS PLACED AS SPECIFIED.

ACTIVITY #705 - PLACE E. BANK RIPRAP PROTECTION

- PLACED SLOPE AND/OR BANK RIPRAP AS NEEDED BETWEEN STA. 1+00 & 6+00.
- RIPRAP PLACEMENT PLACED AS SPECIFIED

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-25-90

Work Areas Checked: East bank

Employees Present in Work Areas: D. Reid, D. Mowchell, S. Hunt, P. Smith, N. Tracy, B. Mahin, C. Medin, T. Ettinger, D. Dekker, P. Foster, F. Gutowski

Equipment Being Utilized: 2 trackhoes, dozer, loader, Grader, Roller

PPE Being Utilized: level D

Accidents/Breeches of Procedures:

None

H & SAFETY 10-25-90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	9, 2, 1	90, 6, 8
"C"		
"B"		
OTHER		

R MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	None - limited west soil work				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0900	East bank	8/2 truckers, dozer, loader	D	none
2	1300	East bank	7/2 truckers, dozer, loader	D	none
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — Out: —

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-25-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - limited west bank work (dike dressing up and Rip wrap placement

Personnel Sampling None

Name	Date	IWA

Calibration Method for Equipment

N/A

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 25, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:35/7:25	11:21/11:52	3:25/4:54 5:48/
C-2 L. Dekker	6:35/	/	
C-3 P. Porter	6:55/8:10	8:29/9:38	10:06/12:33
C-4 A. Muellerleile	6:58/8:15	8:52/1:22	3:26/
C-5 C. Ettinger	6:57/7:12	4:12/5:27	
C-6 F. Gontowski	6:52/7:27	7:56/8:11	8:38/12:33 1:12/2:08 2:42/
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:44/5:52	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:36/7:57	8:10/5:40	
C-12 C. Mckim	6:55/7:07	/	
C-13 G. Reid	6:38/5:40	/	
C-14 N. Tracy	6:44/7:07	/	
C-15 G. Maichele	6:35/6:36	6:49/7:07	5:53/5:57
C-16 S. Hunt	6:35/6:36	6:49/7:58	8:10/8:12 9:44/9:58 10:15/12:01 12:17/4:8 5:55/5:57
C-17 P. Smith	6:46/7:06	/	
C-18 R. EDWARDS	6:49/7:26	11:54/11:55	5:25/5:40
C-19 R. Bartles	~~7:26~~	/	
C-20	/	/	
E-1 G. Stiles	6:24/9:36	10:16/12:06	1:27/2:46 4:08/
E-2 T. Granger	/	/	
E-3 ~~S. Stiles~~ C. Bixby	8:52/3:06	/	
E-4 C. Swann	7:00/12:16	12:57/	
E-5 E. Casey	6:51/12:31	1:13/6:04	
E-6 D. Simpadian	6:57/12:17	1:14/6:15	
A-1 M. Turko	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:39/12:50	/	
C/E-2 M. Heywnak	9:36/1:42	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00/12:00	/	
S-4 T. Cobb	1:50/6:30	/	
S-5 A. Fox	3:39/3:43	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 25, 1990

No./Name	Time In/Out	Time In/Out	Remarks
A-2 D. Rall	6:35/8:43	9:04/12:30 1:16/5:13	OHM
A-3 M. Miller	6:35/12:30	1:16/5:13	
A-4 J. Facio	6:45/12:30	1:09/5:01	
A-5 R. Moyer	6:45/12:30	1:09/4:33 4:45/5:01	
A-6 J. Lovewell	6:45/12:30	1:09/5:01	
A-7 A. Gonzales	6:45/5:01		
C/E-3 D. Tingue	7:05/11:58	12:34/3:31	Meyers
C/E-4 R. Crooks	7:05/11:58	12:34/3:31	Landscaping
C/E-6 B. Olszewski			ReTech
E-7 A. Patterson	6:51/12:31	1:13/6:04	EBASCO
C/E-7 J. Beyea			Empire Soils
C/E-8 D. Fuller			
S-8 D. Pawlowski			
S-9 D. Ludlow			

Bakers Trucks

A-3	8:50/9:00	9:17/9:26	9:42/9:51	10:07/10:17	10:38/10:46	11:02/11:17	11:31/11:43
A-4	8:55/9:04	9:27/9:40	9:57/10:06	10:23/10:32	10:51/11:01	11:22/11:32	11:49/11:57
A-5	8:57/9:08	9:29/9:42	10:00/10:10	10:28/10:38	10:56/11:06	11:25/11:34	11:51/12:01
A-6	8:59/9:13	9:33/9:47	10:03/10:15	10:33/10:44	11:00/11:11	11:28/11:38	11:54/12:05

A-3	11:58/12:07	12:23/12:32	12:51/1:05	1:20/1:34	1:50/2:02	2:19/2:31	2:47/3:03
A-4	12:16/12:24	12:44/12:51	1:09/1:20	1:44 1:49	2:09/2:17	2:40/2:49	3:14/3:22
A-5	12:19/12:26	12:47/12:54	1:12/1:25	1:43/1:54	2:14/2:21	2:42/2:54	3:15/3:26
A-6	12:21/12:30	12:47/12:58	1:14/1:29	1:46/1:58	2:15/2:22	2:43/2:59	3:17/3:31

A-3	3:29/3:34	3:52/4:06	4:17/4:25	4:40/4:56	5:05/5:19		
A-4	3:40/3:48	4:07/4:13	4:34/4:40	4:58/5:13			
A-5	3:45/3:52	4:10/4:17	4:35/4:43	5:02/5:13			
A-6	3:47/3:56	4:12/4:20	4:39/4:46	5:02/5:19			

A-3	Jon Perkins	T-9
A-4	Russ Layton	REO Giant
A-5	Boyd Green	T-10
A-6	Dale Baker	T-8

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 25, 1990

No./Name	Time In/Out	Time In/Out	Remarks
Charlie Baker	7:35/7:52	12:14/1:16 4:18/4:18	
Frank Charland	8:16/8:22		General Crushed Stone
Ray Charland	8:16/8:26		
Jim Coombs	8:16/8:24		
Ron Salzman	8:24/8:30		
Dale Zanders	9:54/10:17		Shorts O.T Co.
Dick Neely	10:07/11:36		WVFO chief
UPS	10:34/10:36	10:53/10:54	
Jim Rafter	12:35/12:38	4:19/4:24	Sp. n Rite
Fed Ex	2:08/2:28		6pk pickup
Stu Blair	3:06/3:15		Home of Glass
ups.	4:10/4:12		2pc. pickup
D. DEKKER	still working		
L. DEKKER			
A. Mueller Viele			
P. Porter			
F. Gontowski			
G. Stiles			
C. Swann			

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

N/O Incidents or accidents to report today. ——— October 25, 1990

PROJECT ENTRY PERMIT

DATE: 10-25 TIME IN: _____ TIME OUT: 6:50 pm

NAME: Dave Dilden

COMPANY: Canonie

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10/25 TIME IN: _____ TIME OUT: 7:00 P

NAME: (SUPER) PETER PORTER

COMPANY: CANONIE

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10/25 TIME IN: _____ TIME OUT: 7:00 P

NAME: ALAN MUELLER-IGLIS

COMPANY: CANONIE

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10/25 TIME IN: _____ TIME OUT: 6:50pm

NAME: LaVonne Dekker

COMPANY: Canon

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10/25 TIME IN: _____ TIME OUT: 6:50P

NAME: FRANK GONTOWSKI

COMPANY: CANON

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 24, 1990

Arrived at 6:50 am
Plan of Day:

* Canonie
  * Work rip rap and excavate toe trench on East side.
  * Work rip rap on West side as conditions permit.

Field Observations and Activities:

* Canonie
  Surveyors reinstall cut stakes on East bank. First backhoe shaped bank for filter fabric placement.

  Second backhoe worked stone in horizontal rip rap section and installed bedding material and rip rap on slope.

  Third backhoe worked rip rap on West side.

* OHM
  Completed installation of settlement plates in 12 hours. Total time (4 hours 10/23/90, 8 hours 10/24/90).

* Empire Drilling
  Completed piezometer installations and open observation wells in am. Moved equipment to decon pad and deconned equipment in pm.

  Drillers carried shelby tubes and SPT jar samples to soils laboratory.

* ReTec/GeoComp
  Provided technical supervision of drilling and instrument installation. Personnel returned to home office in the late afternoon.

Left site at 7:00 pm

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 24, 1990

Arrived at 6:22 am
Plan of Day:

* Canonie
  * Construct toe trench E/B.
  * Place slope protection E/B.
* OHM
  * Set settlement plates T/F.
  * Place crushed stone at T/F.
* Empire
  * Complete well installation.
  * Decon equipment.
  * Load out equipment.
* Doug Myers
  * Map settlement plates.
  * Cross section dike.

Met with Dan Raul and Mike M. of OHM - I told them that I was not impressed with the way they were installing the settlement plates. They have a drawing and that is what I will pay for - I suggested that they start working as a team, with engineers and inspectors. They agreed to improve. I told them that I would support their activities as long as they work by the rules, if they get out of line then I will make it rough on them. I discussed the excavation of the SLA and what I think we will encounter and that I felt that a track end loader would be to their advantage. They did not agree with me on that. Had Cal come in and express his concerns.

Richard Neely came for update and to meet Tom and Mike.

Called Charlie Baker about powerhouse bid and when he would have the dike extension bid ready. He told me that Dan was bringing it over by noon Thursday.

Called Alfred Atlas for one more load of sand.

Tom and Mike arrived at 9:15 am

* Discussed problem with construction testfill, I outlined my approach.
  1. Complete settlement plates.
  2. Place 1' of gravel.
  3. Excavate SLA.
  4. Construct testfill and Dike extension.

Tom suggested that we talk to Allen and Rob.

* Met with Canonie (Dave D., Frank G. and Allen M.) on costing of Mod no 1 - see file on Mod no 1 for notes and handouts.

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 10-24-90 DAY: WED HRS.WRK. 10 REPORT NO. 16

WEATHER INFORMATION:

TEMPATURE: High 58 Low 40 WIND: Mph. 0-5 Dir. E

PRECIPITATION: NONE HUMIDITY: LOW

PERSONNEL: NON-MANUAL

EBASCO.	C.M.	1	SUB.	EMPIRE SOIL	
	F.E/I	ϕ		SUPT.	ϕ
	H&SO	2		ENG.	ϕ
	C/SE	1		LABOR	ϕ
	P.M.	1		OPER.	4
	HOP	1		OTHER	ϕ
	"		SUB.		
	"			SUPT.	
ARCO	P.M.	1		ENG.	
	OTHERS	ϕ		LABOR	
	"			OPER.	
USCOE/EPA				OTHER	
"					

VISITORS MARK MOELLER - RETEC
BILL OLSZEWSKI - GEOCOMP

SURVEYOR DOUG MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe				
Compactor		SEE		
Compactor				
Dump Trk.		OHM		
Dump Trk.				
Others		REPORT		
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY EMPIRE : COMPLETE WELL INSTALLATION SECT. 3 & 4
DECON & LOAD-OUT EQUIPMENT
OHM: COMPLETE SETTING OF SETTLEMENT PL
DOUG MYERS: MAP SETTLEMENT PL, CROSS SECTION WEST DIKE

SAFETY FOLLOW INSTRUCTION OF H&S SUPV. BE AWARE OF EQUIPMENT WORKING AROUND YOU

SCHEDULED OHM
CANONIE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION - DRILL AND INSTALL PIEZOMETER WELLS ON 3D & 4TH SECTIONS
- INSTALL SETTLEMENT PLATES
- SURVEY ELEVATIONS OF SETTLEMENT PLATES IN SECTIONS 1 & 2

SLA EXCAVATION: SEE OHM

WASTEPILE CONSTRUCTION: SEE OHM

OTHER: SEE CANONIE

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	Ø
SLA EXCAVATION	OHM	
GEOWASTE MATERIAL	CY	Ø
CANTAMINATED WASTE	CY	Ø
CLEAN	CY	Ø
MISC.	CY	Ø
MISC.		Ø

TYPE	UNIT	EST.QTY.
TESTFILL CONST.	CY	Ø
AGGREGETES	TON	Ø
SETTLEMENT PLATES	EA	33
OBSERVATION WELLS	EA	Ø
GEOTEXTILE FAB	SY	Ø
BEDDING MATERIAL	TON	Ø
GEOTEXTILE FAB	SY	Ø
CAYMAX	SY	Ø
GEOMEMBRANE	SY	Ø
MISC. PIEZOMETER WELL	EA	3
"		
"		
"		
"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	Ø
OBSERVATION WELLS	EA	Ø
AGGREGATES	CY	Ø
CLAYMAX	CY	Ø
MISC.		
MISC.		

TYPE	UNIT	EST.QTY.
GEOTEXTILE FAB	SY	Ø
BEDDING MATERIAL	CY	Ø
GEOMAMBRANE	SY	Ø
EQUIP. FUEL&LUBE	GAL	
MISC.		
MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

SEE EMPIRE REPORT Attached report required by Contract document

SEE OHM REPORT " " " " " "

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

COMMENTS PIEZOMETER INSTALLATION. COMPLETE
SETTLEMENT PLATE INSTALLATION COMPLETE

TECHINICAL CONCERNS/PROBLEMS:
NONE

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"	19	134
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In: 19 Emps. Out: 19
Equipment: In: _____ Out: 2 Drill Rigs (Empire) 2 RADIOS 2 PID
Venders Equipment: In: ~ Out: ~

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2			NONE		

Accident/Breeches Report: NONE

Mark K. of OHM called, had questions about prices he had sent in.

Bill Olsewski - Geo Comp and Mark Moeller left for their Boston office at 6:30 pm.

Mark K. called wanting to know if he could send in his bid on Thursday. I told him by noon.

Empire completed their wells at 10:30 am, deconned and loaded out their equipment and were gone by 5:00 pm.

RECEIVED

OCT 25 1990

EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 10-24-90 DAY: Wednesday HRS.WRK. 10 hrs REPORT NO. 110

WEATHER INFORMATION:

TEMPERATURE: High 58 Low 40 WIND: Mph. 0-5 Dir. E.

PRECIPITATION: None HUMIDITY: Low RIVER EL: AM 628' PM —

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I 1	R.E. 1
	H&SO 1	P.E. 1
	C/SE	QCM 1
	P.M. 1	H&SO 1
	HOP 2	P.M.
	"	P.SEC 1
	"	HOP
ARCO	P.M. 1	"
OTHERS		CANONIE SUB. App Surveyors
"		SUPV. 1 EMPS.
USCOE/EPA	1	SUB.
"		SUPV. EMPS.
VISITORS	See Security Log	

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 7

Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6		Stand-by		
" D-5	10			
" 12G	8			
(Sheep)Compactor		Stand-by		
(Smooth) "	8			
Canonie Wtr. Trk		Offsite for Repairs		
Hertz Wtr.Trk		Stand-by		
(E. Bank) Cat 235	10			
Komatsu PC 200	8			
Generator / Steam Genny		Stand-by		
½ ton pickup	10			
Mechanic Trucks	11			
Front End...	8			

MEETINGS:

PLAN OF DAY No Work W. Bank Maybe in afternoon E. Bank : Start working on Top of Dike and start trimming slopes ~sta 9+50 - 12+50. If river goes down, start excavating toe trench

SAFETY Good Construction practices

SCHEDULED Meeting with Ebasco and ARCO to review and discuss lump sum offer.

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 605 (Place W. Bank Rip Rap Protection)

EAST BANK # 703 (Construct E. Bank Toe Trench)
704 (Construct E. Bank Dike)
705 (Place E. Bank Rip Rap Protection)

RIVER (Any activity performed in water or gravel bar)
Toe Trench excavation on E. Bank

OTHER Access up Haul Road After Rain storm

PAGE: ____ OF ____

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	29.8
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	E. Bank : 260.44 W. Bank : 126.84
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	143.5	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	70.73
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	357.58
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Set Shoulder Stakes on E. Bank
- Office Computations
- Checked Grade on for trench excavation

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank [1	9+50	A-8	Rip Rap		X	
2	14+75	A-3	Excavation	For Trench	X	
3	9+90	A-7	Bedding		X	
4	4+00/9+85	A-8	Rip Rap		X	
5						
6						
7						
8						
9						
10						

COMMENTS Geotextile was pulled up the slope with the 18"-24" required over lap prior to placement of Bedding stone.

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE

DAY SUMMERY:

No accidents or incidents to report today — October 24, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter CLIENT: ARCO DATE: 10-24-90

CLIENT: Sinclair Refinery, Wellsville ~~PEPS~~

JOB NO: 88-093 LOCATION OF WORK: W. Bank / E. Bank

ACTIVITY: · W. Bank -

#605 (Place W. Bank Rip Rap Protection)
· Rip Rap was placed from sta 9+00 - sta 10+25

OTHER:
Worked top of dike to dry clay for placement of additional Dike Fill.

· E. Bank -

#703 (Construct E. Bank Toe Trench)
- excavation sta 15+00 - sta 14+50

#704 (Construct E. Bank dike)
- trimmed front slope of dike sta 9+50 - 12+55
- pulled up geotextile sta 9+65 - 12+50
- placed bedding stone sta 9+70 - 12+45

#705 (Place E Bank Rip Rap Protection)
1) - Placed Rip Rap on top of E. Bank dike and worked in place to meet Contract Drawings sta 11+70 - 5+25 and 5+75 - 6+25.
a) Rip Rap complete with geotextile tie in from sta 5+00 - 5+65.
b) Remaining Geotextile tie in awaits Rip Rap to complete
2) - Place Rip Rap on slopes from sta 9+75 - 12+35.
a) Additional Rip Rap is needed to fill in low spots.

- See Inspection Reports for additional information.

-941

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10-24-90

RIP RAP W. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 9+00 TO 10+25

5. REMARKS Place Rip Rap on Bedding Stone and worked Rip Rap in place to meet required tolerance.

INSPECTOR _____ DATE 10-24-90

REVIEWED BY _____ DATE 10-25

FORM A-3
SHEET ____ OF ____

EXCAVATION FOR ~~KEY TRENCH~~/
TOE PROTECTION TRENCH E. Bank

INSPECTION DATE 10-24-90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	____	____	X
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X	____	____
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X	____	____

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 15+00 TO 14+50

4. REMARKS Toe Trench excavation was checked by the surveyors for placement of materials

INSPECTOR _____ DATE 10-25-90

REVIEWED BY _____ DATE 10·25

FORM [redacted]
SHEET ____ OF ____
INSPECTION DATE 10-24-90

BEDDING

E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. BEDDING LOCATION

DIKE STATION 9+70 TO 12+45

5. REMARKS Bedding Stone placed on Slope of Dike was checked by probing

INSPECTOR [signature] DATE 10-24-90

REVIEWED BY [signature] DATE 10.25

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10-23-90

RIP RAP E. Bank.

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X (see remarks)		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		
3. DUST CONTROL			

ACTION TAKEN: _____

4. RIPRAP LOCATION

	9+75	TO	12+35
DIKE STATION	1+70	TO	5+25
	5+75	To	6+25

5. REMARKS Sta 9+75 - Sta 12+35 Rip Rap was placed on slope of Dike. Requires additional work to fill in low spots.

Sta 1+70 - sta 5+25 Rip Rap was worked in place to meet tolerance of Contract Drawings. From Sta 3+00 - Sta 5+15 the Geotextile was tied into the Rip Rap as per the Contract Drawings. The other stations await to be tied in.

Sta. 5+75 - 6+25 Rip Rap was worked in place to meet Required tolerance. Geotextile will be tied in upon completion of the top of Dike

INSPECTOR _____ DATE 10-24-90

REVIEWED BY _____ DATE 10-24

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 24, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:35/7:54	8:03/9~~12~~10:35	1:29/3:38 4:46/6:21
C-2 L. Dekker	6:35/12:35 9:10	1:29/6:21	
C-3 P. Porter	6:35/7:54	10:04/10:12	10:37/12:35 1:43/6:02
C-4 A. Muellerleile	7:14/12:35	1:33/3:20	4:09/6:12
C-5 C. Ettinger	7:00/9:05	9:53/11:45	11:56/1:05 2:23/3:43 5:30/5:42
C-6 F. Gontowski	6:59/7:54	1:33/4:15	5:42
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:48/8:05	10:09/4:00	4:04/4:05
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:35/7:12	3:39/3:40	4:03/5:25
C-12 C. Mckim	6:35/7:09	3:37/3:40	
C-13 G. Reid	6:40/5:25	/	
C-14 N. Tracy	6:45/7:09	/	
C-15 G. Maichele	6:31/6:35	6:54/7:11	7:53/8:02 8:30/8:40 5:43/6:01
C-16 S. Hunt	6:31/6:35	6:54/7:27	7:53/8:02 8:30/8:46 8:53/9:58 2:55/4:30 5:43/5:53
C-17 P. Smith	6:41/7:08	/	
C-18 R. EDWARDS	6:55/7:32	12:02/12:04	12:43/12:49 5:30/5:42
C-19 R. BARTELS	/	/	
C-20	/	/	
E-1 G. Stiles	6:35/12:44	2:14/	
E-2 T. Granger	9:21/3:22	/	
~~E-3 S. Stiles~~ C. Bixby	8:47/3:43	/	
E-4 C. Swann	6:56/9:06	10:22/12:37	1:28/
E-5 E. Casey	6:54/12:10	12:54/6:29	
E-7 D. Simpadian	7:05/12:37	1:28/	
A-1 M. Turko	9:21/12:44	2:14/3:22	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:51/10:36	11:36/1:47	
C/E-2 M. Hrwynak	10:12/3:36	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	10:34/10:36	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00/2:00	/	
S-4 T. Cobb	1:51/6:30	/	
S-5 A. Fox	12:43/12:45	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 24, 1990

No./Name	Time In/Out	Time In/Out	Remarks
Charlie Baker	7:05/7:11		
Frank Charland	8:15/8:26		General/Crushed Stone
Ray Charland	8:15/8:26		"
Dick Neely A-8	8:23/9:40		WVFD chief
Jim Rafter	8:27/9:05		Spin Rite
J. Mulley	8:31/9:06		"
Rob Hall	9:00/9:05		"
J. Szarge	9:00/9:05		"
Boyd Green Jr.	9:47/9:54	10:50/10:56	
Jan Bastian	10:23/11:26		
UPS	10:31/10:34		
John Williams	10:40/10:44		Otis Eastern
Tammy Worthington	11:02/11:08		
Dale Zanders	10:12/10:40		Shorts Oil Co.
Tom Gowan	2:00/3:33		Beam Clean
FedEx	2:02/2:03		2pc. delivery
Jay Blitz	2:48/3:12		House of Glass
Brent McCabin	2:48/3:12		House of Glass
UPS	4:10/4:15		2pc. pickup

~~P Hekker~~
~~C Hekker~~
P. Porter
~~A Mueller-Hate~~
~~E. Gontowski~~
G. Stiles
C. Swann
~~E Casey~~
D. Simpadian
~~D Olszewski~~
~~A Patterson~~

} Still Working

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 24, 1990

No./Name		Time In/Out	Time In/Out	Remarks
A-2	D. Rall	6:35/12:08	12:45/1:02 1:35/6:09	OHM
A-3	M. Miller	6:35/12:08	12:45/6:08	
A-4	J. Facio	6:51/12:06	12:45/5:08	
A-5	R. Moyer	6:51/12:06	12:45/5:08	
A-6	J. Lovewell	6:51/12:06	12:45/5:08	
A-7	A. Gonzales	6:51/5:08		
c/E-3	D. Tingue	7:00/11:55	12:39/4:23	Meyers Landscaping
c/E-4	R. Crooks	7:00/11:55	12:39/4:23	
c/E-6	B. Olszewski	7:00/12:37	1:28/	ReTech
E-6	M. Miller	7:22/12:37		
E-9	A. Patterson	6:54/12:10	12:54/6:29	Ebasco
c/E-7	J. Beyea	6:55/11:51	12:07/5:02	Empire Soils
c/E-8	D. Fuller	6:55/11:51	12:07/5:20	
S-8	D. Pawlowski	7:31/12:00	12:35/5:26	
S-9	D. Ludlow	7:31/12:00	12:35/5:26	

PROJECT ENTRY PERMIT

DATE: 10-24-90 TIME IN: — TIME OUT: 9:25

NAME: P. Porter

COMPANY: Canonie

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10-24-90 TIME IN: — TIME OUT: 6:50

NAME: F. Gontowski

COMPANY: Canonie

BADGE No: C-6

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 23, 1990

Arrived at: 12:00 pm
Rained throughout the day (approximately 1" for a 24 hour period).

Field Observations and Activities:

* Canonie
  Working horizontal rip rap section on East dike area.

  No work on West side due to wet conditions.

* OHM
  Laborers setting settlement plates in sections 1 and 2, started at midday.

  Ramp saturated - sand for settlement plates hauled up slope with dozer and sand carried to position with backhoe. Laborers then place sand bedding with hand shovels as removed from backhoe bucket.

* Empire Drilling
  Installed vibrating wire piezometers and open observation wells in sections 3 and 4 - 2 rigs operating.

* ReTec/GeoComp
  Provided technical supervision of drilling and instrument installation.

Left site at: 6:15 pm

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 23, 1990

Arrived at 6:25 am
Has been raining since the middle of the night.

Plan of Day:
* Canonie
  * Construct toe trench E/B.
  * Place slope protection E/B.
* OHM
  * Lay Geo fabric at T/F.
  * Set settlement plates at T/F.
  * Excavate SLA.
* Empire
  * Complete wells at sections 3 and 4.
* Doug Myer
  * Cross section W/D.
  * Map settlement plates.

Ed VanDenBosh of Hittman EBASCO called with the following request.
* Trailer space 8' by 12' w/2 6" tables and 2 chairs.
* Accept delivery of material and supplies.
* Names of Gas/Oxygen supplier in region.
* Names of motels.
* Directions to get here, fly, drive - what airport.
* Would prefer doing this work at main lab.
* Probably will not be here until Tuesday, I told him Monday.

Dan Raul of OHM came over and asked Ed Casey when he was going to get them some rain suits, Ed said that he had a few and had others on order. After Dan left I told Ed that I had only agreed to furnish PPE and not foul weather gear.

I went to Dan Rauls office and told him that I was not furnishing them with foul weather gear - if we had it I have no problem with them using it, but was not my responsibility.

Tom Granger and Mike Turco arrived at 1:20 pm. We discussed the following:
* Height of West Dike - confirmed drawing sections and called Vinu - to make changes.
* Meeting with Canonie - set for 9:00 am Wednesday.
* Dressed out and walked over SLA, waste pile ramp, testfill and West Dike.
* Introduced them to Mike Rinnick USCOE-NY.
* Looked at testfill design and concerns with construction.

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 10-23-90 DAY: TUES HRS.WRK. 10 REPORT NO. 15

WEATHER INFORMATION:

TEMPATURE: High 63 Low 46 WIND: Mph. 10-20 Dir. S.E

PRECIPITATION: 0,42" HUMIDITY: HIGH

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB. EMPIRE SOIL

F.E/I Ø SUPT. Ø

H&SO 2 ENG. Ø

C/SE 1 LABOR Ø

P.M. 1 OPER. 4

HOP 1 OTHER Ø

" SUB.

" SUPT.

ARCO P.M. 1 ENG.

OTHERS Ø LABOR

" OPER.

USCOE/EPA OTHER

"

VISITORS MARK MOELLER - RETEC

BILL OLSZEWSKI - GEOCOMP

SURVEYOR DOUG MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe		SEE OHM REPORT		
Compactor				
Compactor				
Dump Trk.				
Dump Trk.				
Others DRILL RIG TRACK	10			
" DRILL RIG SKID	10			
"				
"				
"				

MEETINGS:

PLAN OF DAY EMPIRE: DRILL WELLS ON 3D & 4TH SECTIONS
OHM: COMPLETE GEOTEXTILE FABRIC INSTALLATION & INSTALL SETTLEMENT PLATES
DOUG MYERS: CHECK WEST DIKE CROSS SECTIONS

SAFETY FOLLOW INSTRUCTION OF H&S SUPV. BE AWARE OF OTHER EQUIPMENT WORKING AROUND YOU

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION DRILL & INSTALL PIEZOMETER WELLS ON 3D & 4TH SECTIONS
INSTALL GEOTEXTILE FABRIC OVER SECTIONS 1 & 2 AND PULL WICK DRAINS

SLA EXCAVATION: SEE OHM

WASTEPILE CONSTRUCTION: SEE OHM

OTHER: SEE CANONIE

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	0
SLA EXCAVATION	OHM	
GEOWASTE MATERIAL	CY	0
CANTAMINATED WASTE	CY	0
CLEAN	CY	0
MISC.	CY	0
MISC.		0

TYPE	UNIT	EST.QTY.
TESTFILL CONST.	CY	0
AGGREGETES	TON	0
SETTLEMENT PLATES	EA	17
OBSERVATION WELLS	EA	0
GEOTEXTILE FAB	SY	40
BEDDING MATERIAL	TON	
GEOTEXTILE FAB	SY	0
CAYMAX	SY	0
GEOMEMBRANE	SY	0
MISC. PIEZOMETER WELLS	EA	6
" FLUID DETECTION WELL	EA	1
" BEDDING SAND	CY	
"		
"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	0
OBSERVATION WELLS	EA	0
AGGREGATES	CY	0
CLAYMAX	CY	0
MISC.		0
MISC.		

TYPE	UNIT	EST.QTY.
GEOTEXTILE FAB	SY	0
BEDDING MATERIAL	CY	0
GEOMAMBRANE	SY	0
EQUIP. FUEL&LUBE	GAL	0
MISC.		0
MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS		NONE	
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

SEE EMPIRE REPORT Attached report required by Contract document
SEE OHM REPORT " " " " " "
" " " " " "
" " " " " "
" " " " " "

COMMENTS - SEE EMPIRE REPORT FOR DRILL RIG DETAILS
- RAIN MADE WORKING CONDITIONS DIFFICULT. WET
- GROUND SURFACE MADE MOBILITY OF DRILL RIG DIFFICULT

TECHINICAL CONCERNS/PROBLEMS:
- TRACK DOZER GOT STUCK IN OILY SLUDGE AND HAD TO BE PULLED OUT WITH LARGER DOZER
- PIEZOMETER WELL IN SECT. 3 REQUIRED 135 GALLONS OF GROUT

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		~~131~~
"D"	18	131
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In: 18 Emps. Out: 18
Equipment: In: ~~4~~ Out: ~~4~~ 4 (2 CASES @ 2 HW's)
Venders Equipment: In: — Out:

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2			-NONE-		

Accident/Breeches Report:
- NONE -

RECEIVED
OCT 25 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 10-23-90 DAY: Tuesday HRS.WRK. 10 hrs REPORT NO. 109

WEATHER INFORMATION:

TEMPERATURE: High 63 Low 46 WIND: Mph. 10-20 Dir. S.E.

PRECIPITATION: 0.42" HUMIDITY: High RIVER EL: AM 5.55' PM 6.50'

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I 1	R.E. 1
	H&SO 1	P.E. 1
	C/SE	QCM 1
	P.M. 1	H&SO 1
	HOP 2	P.M.
	"	P.SEC 1
	"	HOP
ARCO	P.M. 1	"
OTHERS		CANONIE SUB. App Surveyors
"		SUPV. 1 EMPS. 1
USCOE/EPA	2	SUB.
"		SUPV. EMPS.
VISITORS	See Security Log	

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 7

Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963		Stand-by		
" D-6		Stand-by		
" D-5	10			
" 12G	8			
(Sheep) Compactor		Stand-by		
(Smooth) "		Stand-by		
Canonie Wtr. Trk		OFFSITE For REPAIRS		
Hertz Wtr. Trk		Stand-by		
(E. Bank) Cat 235	10			
Komatsu PC 200		Stand-by		
Generator / Steam Genny		Stand-by		
½ ton pickup	10			
mechanic Trucks	11			
Front End Loader	0			

MEETINGS:

PLAN OF DAY E. Bank : Work on Toe Trench and E Bank Dike Top. (Sta 2400 - 6400)

SAFETY Good Construction Practices.

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK No Work

EAST BANK # 703 (Construct E. Bank Toe Trench)
704 (Construct E. Bank Dike)
705 (Place E Bank Rip Rap Protection)

RIVER (Any activity performed in water or gravel bar)
Toe Trench Excavation and placement of Materials

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	520
EXCAVATION			BEDDING MATRL	CY	91.3
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	E.Bk. 542.27
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	200	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	~~CY~~	136.93 Tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	569.57
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS	1000		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Checked Grade on E Bank Toe Trench throughout the excavation.

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	15+50	A-3	Excavation	Toe Trench	X	
2	5+00 / 15+50	A-6	Geotextile		X	
3	4+50 / 16+00	A-7	Bedding		X	
4	4+00 / 15+75	A-8	Rip Rap		X	
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

Canonie requires the changed subgrade elevations of the W. Bank Dike in order to Complete the Dike.

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CLIENT: ARCO | DATE: 10-23-90

CLIENT: Sinclair Refinery, Wellsville | ~~PEPS~~

JOB NO: 88-093 | LOCATION OF WORK: E. Bank

ACTIVITY: - E. Bank -

703 (Construct E. Bank Toe Trench)

excavation - sta 15+25 - sta 15+00

geotextile sta 16+10 - sta 15+25

Bedding sta 16+15 - sta 15+35

704 (Construct E. Bank Dike)

pulled geotextile across top of Dike sta 1+60 - sta 6+40

placed bedding stone sta 1+65 - sta 6+35

705 (Place E. Bank Rip Rap Protection)

Toe Trench

- Placed Rip Rap from sta 16+20 - sta 15+50

Top of Dike

- place Rip Rap in Dike on Bedding stone sta 1+20 - 5+75 and started to work Rip Rap into place

- Placement of materials and excavation is according to Modification # 1 to the Contract.

- See Inspection Sheets for more detail.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-3
SHEET ____ OF ____

EXCAVATION FOR KEY TRENCH/
TOE PROTECTION TRENCH E. Bank

INSPECTION DATE 10-23-90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	____	____	X
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X	____	____
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X	____	____

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 15+75 TO 15+00

4. REMARKS Toe Trench Excavation is in accordance with the Contract Modification #1. Excavation grade was verified by the surveyors prior to placement of any materials

INSPECTOR _____ DATE 10-24-90

REVIEWED BY _____ DATE 10.25

GEOTEXTILE E. Bank

FORM
SHEET ____ OF ____
INSPECTION DATE 10-23-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 16+10 to 15+25
1+60 to 6+40

5. REMARKS Geotextile Placed in toe trench was bound together with pig rings to verify 18" - 24" overlap when placed in the water (sta 16+10 - 15+25). Geotextile was laid out across top of Dike. (sta 1+60 - 6+40)

INSPECTOR Robert I Cook DATE 10-24-90

REVIEWED BY [signature] DATE 10-25

FORM C-7
SHEET ____ OF ____
INSPECTION DATE _____

BEDDING

E. Bank.

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. BEDDING LOCATION

DIKE STATION 16+85 to 15+35
DIKE STATION 1+65 to 6+35

5. REMARKS Sta 16+15 - 15+35 Bedding stone was placed in toe and thickness was verified by the surveyors or by probing. Sta 1+65 - Sta 6+35 Bedding stone was placed on Geotextile on top of E Bank Dike. Thickness was verified by probing

INSPECTOR _____ DATE 10-24-90

REVIEWED BY _____ DATE 10-25

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10-23-90

RIP RAP E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3,-0 INCHES			
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 16+20 TO 15+50
DIKE STATION 11+70 TO 5+25

5. REMARKS Sta 16+20 - 15+50. Rip Rap was placed in toe trench close to final grade. Rip Rap will be worked in place upon completion of the Toe French.

Sta 11+70 - Sta 5+25 Rip Rap was placed on bedding Stone in piles awaiting final placement.

INSPECTOR _____ DATE 10-24-90

REVIEWED BY _____ DATE 10-25

H & SAFETY 10-23-90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1	80, 4
"C"		
"B"		
OTHER		

R MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	None - Rain (no west bank work)				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inspections	Time	Location	No. emps./equip.	PPE level	Violation
1	0925	East bank	8 pt trackhoes, loader, dozer, Scraper	D	none
2	1330	East bank	2/2 trackhoes, loader, dozer	D	none
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: ✓ Emps. Out: ✓

Equipment: In: ✓ Out: ✓

Venders Equipment: In: ✓ Out: ✓

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

No incidents or accidents to report today ——— October 23, 1990

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-23-90

Work Areas Checked: East bank

Employees Present in Work Areas: B. Reid, D. Mitchell, J. Hunt, P. Smith, B. Mckim, C. Mckim, N. Tracy, L. Edwards, H. Ettinger

Equipment Being Utilized: 2 trackhoes, dozer, loader, Scraper

PPE Being Utilized: level D

Accidents/Breeches of Procedures:

None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 6-23-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - Rain (no west bank work)

Personnel Sampling None

Name	Date	IWA

Calibration Method for Equipment

N/A

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 23, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:33/8:21	8:47/9:42	9:53/10:32 10:49/3:49 4:52/6:26
C-2 L. Dekker	6:33/6:26	/	
C-3 P. Porter	6:38/8:21	8:47/9:54	10:06/1:01 1:20/3:49 4:52/
C-4 A. Muellerleile	7:10/	/	
C-5 C. Ettinger	6:57/9:00	11:43/11:54	12:09/12:53 4:29/5:44
C-6 F. Gontowski	6:58/12:44	1:00/	
C-7 C. Chang	/	/	
C-8 J. App	6:50/8:19	10:01/11:42	12:39/12:56
C-9 G. Lazusky	6:50/8:19	12:39/12:56	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:40/17:14	5:21/5:35	
C-12 C. Mckim	6:40/17:15	/	
C-13 G. Reid	6:30/17:27	/	
C-14 N. Tracy	6:45/17:07	/	
C-15 G. Maichele	6:30/16:33	6:50/7:12	
C-16 S. Hunt	6:30/16:33	6:50/7:32	11:37/11:54 12:04/1:05
C-17 P. Smith	6:44/7:07	/	
C-18 R. Edwards	6:50/7:32	11:51/11:57	12:39/12:47 5:26/5:44
C-19 R. Bartles	/	/	
C-20	/	/	
E-1 G. Stiles	6:31/19:52	10:38/11:40	12:09/5:18 5:34/5:58
E-2 ~~T. Granger~~ C. Bixby	8:52/3:05	/	
E-3 ~~S. Stiles~~ C. Swann	11:53/5:18	5:34/6:09	
E-4 A. Patterson	6:57/12:02	12:13/6:00	
E-5 E. Casey	6:57/11:50	12:50/6:00	
E-6 D. Simpadian	6:55/10:02	10:26/12:02	12:50/6:09
~~A-1~~ E-7 T. Granger	1:48 15:25	/	
~~A-2~~ A-1 M. Turka	1:48 15:25	/	
A-4	/	/	
C/E-1 D. Stubbs	9:44/1:30	/	
C/E-2 M. Haywnak	11:38/3:06	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00/2:00	/	
S-4 T. Cobb	1:54/6:30	/	
S-5 A. Fox	2:22/2:23	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 23, 1990

No./Name	Time In/Out	Time In/Out	Remarks
Boyd Green, Jr.	8:05/8:26	12:27/12:53	
Shorts Oil Co		9:23/9:37	
UPS		10:08/10:10	
Dean's Septic Service		10:57/11:19	
Mrs. G. Reid		12:25/12:28	
Mrs. S Hunt		12:25/12:28	
Fed Ex		1:46/1:52	
Dan Crowley		2:14/2:23	Syracuse Equipment Supply
Jan Pastirik		3:19/3:29 4:07/4:35	to See G. Stiles
Clint Perry		3:30/3:31	Alfred Atlas
ups		4:13/4:15	2pc delivery
~~A. DEKKER~~			Still Working
~~L. DEKKER~~			
P. Carter			
A. Muellerleile			
E. Gontowski			

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 23, 1990

No./Name		Time In/Out	Time In/Out		Remarks
A-2	D. Rall	6:27/8:52	9:43/10:50	11:19/11:56 12:30/1:10 1:21/5:38	OHM
A-3	M. Miller	6:27/11:56	12:30/5:38		"
A-4	J. Facio	6:52/11:56	12:42/5:06		"
A-5	R. Meyer	↓	5:06		"
A-6	J. Lovewell		5:06		"
A-7	A. Gonzales		5:06		"
c/E-3	D. Tingue	6:58/12:06	12:45/3:40		Meyers Landscaping
c/E-4	R. Crooks	6:58/12:06	12:45/3:40		Landscaping
S-7	K. Wells	7:01/8:44			GeoSystems
S-6	J. Parks	7:03/8:21			"
-	R. Parks	7:03/8:21			"
S-9	B. George				"
c/E-6	B. Olszewski	7:03/11:59	12:18/5:39		ReTech
c/E-7	M. Miller	6:57/11:59	12:18/5:39		"
-	J. Beyea	7:00/4:18			Empire Soils
-	D. Ludlow	7:00/12:00	12:25/5:36		"
-	D. Pawlowski	7:01/12:00	12:25/5:36		"
-	D. Beitz	7:01/4:18			"

PROJECT ENTRY PERMIT

DATE: 10-23-90 TIME IN: - TIME OUT: 6:30

NAME: F. Gonlowski

COMPANY: Canonic

BADGE No: C-6

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10-23-90 TIME IN: - TIME OUT: 6:35

NAME: A. Mullerleile

COMPANY: Canonic

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10-23-90 TIME IN: - TIME OUT: 6:35

NAME: P. Porter

COMPANY: Canonic

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 22, 1990

Arrived at 6:15 am
It is drizzling rain.

* Canonie
  * Work rip rap W/B at NY dike.
  * Continue toe trench construction E/B.
* OHM
  * Lay Geo fabric.
  * Set settlement plates.
  * Excavate SLA.
* Empire
  * Complete fluid detection well 2nd section.
  * Push shear vane test sections 3 and 4.
  * Drill and install piezometer wells sections 3 and 4.
* Geo Systems
  * Decon equipment.
  * Load out equipment.
* Doug Myer
  * Re stake settlement plates.
  * Complete lay out and topo of waste pile area.

Geo Systems rig inspected by Andy P. at 10:05 am and found to be free of contaminates.

Dave D. asked about height of W/D, I told him that I still did not have information. He asked if I would agree to pay the profile difference in materials, I told him I would.

Jeff Reynolds called.
* Set up Gilean pumps at perimeter in a triangle pattern
  .
* I briefed him on status to date
  * Project and community.

Mark K. of OHM called had questions on bid schedule.

Supervisor from Bus barn came over, he had received a letter for John Tucker dated October 18, 1990, and was concerned about Hazardous materials being released that would contaminate his school buses. I walked him through the steps taken during the handling of waste material.

Neil Geevers called regarding water treatment permit. Scheduled November 1990 and whatever else that is coming up.

Pam Watson OHM had questions on proposal schedule

Had to get Canonies water truck and driver to decon Geo

Systems rig. Dave D. will invoice for T and M. Hittman/Ebasco will be setting up mobile lab on site. Ed VanDenBosh is supervisor, Ray Colleton is site technician. They will be coming in on Thursday, Friday, or Saturday.

Geo Systems completed loading out equipment at 8:30 pm.

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 10-22-90 DAY: MON HRS.WRK. 10 REPORT NO. 14

WEATHER INFORMATION:

TEMPATURE: High 66 Low 50° WIND: Mph. 0-10 Dir. VARYING

PRECIPITATION: 0.34" HUMIDITY: HIGH

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB. EMPIRE SOIL

F.E/I Ø SUPT. Ø

H&SO 2 ENG. Ø

C/SE 1 LABOR Ø

P.M. Ø OPER. 4

HOP 1 OTHER Ø

" SUB. GEO SYSTEM

" SUPT. 1

ARCO P.M. Ø ENG. Ø

OTHERS Ø LABOR 2

" OPER. 1

USCOE/EPA OTHER Ø

"

VISITORS MARK MOELLER - RETEC

BILL OLSZEWSKI - GEOCOMP

SURVEYOR DOUG MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe		SEE		
Back Hoe				
Compactor		OHM		
Compactor				
Dump Trk.				
Dump Trk.		REPORT		
Others DRILL RIG TRACK - 9				
"DRILL RIG SKID - 8				
"				
"				
"				

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	Ø
SLA EXCAVATION		
GEOWASTE MATERIAL	CY	Ø
CANTAMINATED WASTE	CY	Ø
CLEAN	CY	Ø
MISC.	CY	Ø
MISC.		Ø

TYPE	UNIT	EST.QTY.
TESTFILL CONST.	CY	Ø
AGGREGETES	TON	Ø
SETTLEMENT PLATES	EA	Ø
OBSERVATION WELLS	EA	Ø
GEOTEXTILE FAB	SY	120
BEDDING MATERIAL	TON	Ø
GEOTEXTILE FAB	SY	Ø
CAYMAX	SY	Ø
GEOMEMBRANE	SY	Ø
MISC. PIEZOMETER WELL	EA	2
" FLUID DETECTION WELL	EA	2
"		
"		
"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	Ø
OBSERVATION WELLS	EA	Ø
AGGREGATES	CY	Ø
CLAYMAX	CY	Ø
MISC. CRUSHED STONE		
MISC.		

TYPE	UNIT	EST.QTY.
GEOTEXTILE FAB	SY	Ø
BEDDING MATERIAL	CY	Ø
GEOMAMBRANE	SY	Ø
EQUIP. FUEL&LUBE	GAL	Ø
MISC.		
MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

SEE EMPIRE REPORT Attached report required by Contract document
SEE OHM REPORT " " " " " "
" " " " " "
" " " " " "
" " " " " "

COMMENTS SEE EMPIRE REPORT FOR DRILL RIG DETAILS

TECHINICAL CONCERNS/PROBLEMS:

NONE

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	20	138
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 20 Emps. Out: 20
Equipment: In: Out: "CAT" Bucket + Wick Tower "Deaned"
Venders Equipment: In: Out:

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2			NONE		

Accident/Breeches Report:

N/A

MEETINGS:

PLAN OF DAY EMPIRE: DRILL WELLS ON 3D & 4TH SECTION
GEOSYSTEM: DECON & LOAD-OUT EQUIPMENT
OHM: INSTALL GEOTEXTILE FABRIC.

SAFETY FOLLOW INSTRUCTION OF H&S SUPV-
BE AWARE OF OTHER EQUIPMENT AROUND YOU.

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION DRILL AND INSTALL PIEZOMETER WELLS ON 3D AND 4TH SECTIONS
INSTALL GEOTEXTILE FABRIC OVER SECTIONS 1 & 2 CUT FABRIC AND PULL WICK DRAINS THROUGH GEOTEXTILE FABRIC

SLA EXCAVATION: SEE OHM

WASTEPILE CONSTRUCTION: SEE OHM

OTHER: SEE CANONIE

RECEIVED

OCT 25 1990

EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 10-22-90 DAY: Monday HRS.WRK. 10 hrs REPORT NO. 108

WEATHER INFORMATION:

TEMPERATURE: High 66 Low 52 WIND: Mph. 0-10 Dir. Varying

PRECIPITATION: 0.34" HUMIDITY: High RIVER EL: AM 5.52 PM 5.48

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

		F.E/I	R.E. 1
		H&SO 1	P.E. 1
		C/SE	QCM 1
		P.M.	H&SO 1
		HOP 2	P.M.
		"	P.SEC 1
		"	HOP
	ARCO	P.M.	"
	OTHERS		CANONIE SUB. App Surveyors
	"		SUPV. 1 EMPS. 2
	USCOE/EPA	3	SUB. Baker [Cass Road]
	"		SUPV. EMPS. 1 (3hrs)

VISITORS See Security Log

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 7

Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	8			
" D-6		Stand-by		
" D-5	10			
" 12G	8			
(Sheep) Compactor		Stand-by		
(Smooth) "	8			
Canonie Wtr. Trk		OFFSITE For Repairs		
Hertz Wtr.Trk	2 hrs	to Ocean Cat 300 Hoe For EBASCO		
(E. Bank) Cat 295	10			
Komatsu PC 200	10			
Generator / Steam Genny		Stand-by		
1/2 ton pickup	10			
Mechanic Trucks	11			

MEETINGS:

PLAN OF DAY E. Bank : Con't Work on Toe Trench and placement of materials
W. Bank : Trim Front Slope on NB Dike and place bedding stone

SAFETY Weekly Safety Talk on Excavation work and OSHA changes.
Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 604 (Construct W. Bank Dike)

EAST BANK # 703 (Construct E. Bank Toe Trench)
705 (Place E. Bank Rip Rap Protection)

RIVER (Any activity performed in water or gravel bar)
Toe Trench Excavation and Placement of Materials E. Bank

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	780
EXCAVATION			BEDDING MATRL	CY	52.3
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	449.28
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	280.9	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL. ~~CY~~		28.12 Tons
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	533.68
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS	800		
SANITARY WSTE.	GALS	100		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Shoot Grade & Set Shoulder stakes on E. Bank 14+50 - 16+50
- Set Finish shoulder stakes W. Bank 9+00 - 13+50

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank	1	14+00	A-7	Bedding		X	
	2	16+00	A-3	Excavation	To Trench	X	
	3	16+50	A-6	Geotextile		X	
	4	16+50	A-7	Bedding		X	
	5	16+75	A-8	Rip Rap		X	
	6						
	7						
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

H & SAFETY 10-22-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1, 1, 1	80, 3, 9, 2
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	None - Rain/showers				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inspections	Time	Location	No. emps./equip.	PPE level	Violation
1	0950	West bank	2/Trackhoe, grader	D	None
2	1045	East bank	6/2 Trackhoes, dozer, loader	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: / Emps. Out: /

Equipment: In: / Out: /

Venders Equipment: In: / Out: /

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: /

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No Incidents or accidents to report today — October 22, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Peter Porter | CLIENT: ARCO | DATE: 10-22-90

CLIENT: Sinclair Refinery, Wellsville | ~~PEIRS~~

JOB NO: 88-093 | LOCATION OF WORK: E. Bank / W. Bank

ACTIVITY: - W. Bank -

#604 (Construct W. Bank Dike)

— trimmed front slope on NY Dike sta 17+50 - sta 22+31

— Raised NY Dike (sta 17+00 - sta 22+31) 4 feathers to fill in low spots and wait for final subgrade elevations from Ebasco.

- scarified dike surface prior to placement of any material.
- dike fill material was material trimmed off the back slope.
- Material was compacted to meet Contract Placement Requirements.
- No Test will be performed on additional dike fill until Final subgrade elevations are received. and the entire dike is raised.

— Placed Bedding Stone from sta 13+50 - sta 15+25

- E. Bank -

#703 (Construct E. Bank Toe Trench)

excavation in Toe Trench sta 12+20 - sta 15+25

materials placed in Toe Trench

- geotextile sta 12+30 - sta 16+10
- bedding sta 12+50 - sta 16+15

705 (Place E. Bank Rip Rap Protection)

Placed Rip Rap sta 18+50 - sta 16+20

See Inspection Sheets for Further Details

941

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM
SHEET ___ OF ___
INSPECTION DATE 10-22-90

BEDDING

W. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. BEDDING LOCATION

DIKE STATION 15+25 TO 13+50

5. REMARKS Bedding stone thickness was verified by probing

INSPECTOR _____ DATE 10-23-90

REVIEWED BY _____ DATE 10.25

FORM A-3
SHEET ____ OF ____

EXCAVATION FOR ~~KEY TRENCH~~/
TOE PROTECTION TRENCH E. Bank

INSPECTION DATE 10-22-90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	____	____	X
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X	____	____
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X	____	____

2. DUST CONTROL

ACTION TAKEN _____

3. ~~KEY TRENCH~~/TOE PROTECTION TRENCH LOCATION

DIKE STATION 17+20 TO 15+75

4. REMARKS Excavation was checked and okayed by surveyors prior to placement of any materials.

INSPECTOR _____ DATE 10-23-90

REVIEWED BY _____ DATE 10-25

FORM 6
SHEET ____ OF ____
INSPECTION DATE 10-22-90

GEOTEXTILE

E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 12+30 TO 16+10

5. REMARKS Geotextile was bound together with pig rings to verify placement of 18"-24" overlap.

INSPECTOR [signature] DATE 10-23-90

REVIEWED BY [signature] DATE 10-25

FOR A-7
SHEET ____ OF ____
INSPECTION DATE 10-22-90

BEDDING

E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. BEDDING LOCATION

DIKE STATION 17+50 TO 16+15

5. REMARKS Bedding stone was checked either by the surveyors or by probing for the correct thickness

INSPECTOR _____ DATE 10-23-90

REVIEWED BY _____ DATE 10.25

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10-22-90

RIP RAP E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES			
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 18+50 TO 16+20

5. REMARKS Rip Rap Placed in toe trench will be worked in place to meet Contract Drawings upon completion of the toe trench.

INSPECTOR _____ DATE 10-23-90

REVIEWED BY _____ DATE 10-25

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-22-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - Rain/showers

Personnel Sampling None

Name	Date	IWA

Calibration Method for Equipment

N/A

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-22-90

Work Areas Checked: West bank dike
East bank

Employees Present in Work Areas: G. Reid, N. Tracy, B. McKim, C. McKim, G. Muichele, S. Hunt, P. Smith, R. Edwards, F. Gontowski, K Ettinger, P. Porter

Equipment Being Utilized: 2 Trucktrs, 2 loaders, dozer, Grader

PPE Being Utilized: level D

Accidents/Breeches of Procedures: none

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 22, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:35/8:12	8:32/9:32 10:02/12:08 12:41/1:19 2:53/5:10 5:33/	
C-2 L. Dekker	6:35/12:08	12:41/	
C-3 P. Porter	6:30/12:08	12:22/5:32 5:54/	
C-4 A. Muellerleile	5:30/5:32	5:54/	
C-5 C. Ettinger	6:38/9:36	10:19/10:51 12:23/12:45 3:34/5:28	
C-6 F. Gontowski	6:56/7:25	7:57/11:09 12:52/1:06 1:43/	
C-7 ~~C. Chang~~ T. Allen	7:50/8:31	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:55/10:25	1:30/4:36	
C-10 C. Carrow	6:53/8:00	9:02/10:25 2:30/4:33 5:09/5:23	
C-11 B. Mckim	6:34/7:13	7:53/10:11 10:53/11:58 12:12/5:28	
C-12 C. Mckim	6:34/7:13	10:53/	
C-13 G. Reid	6:32/7:13	7:51/10:15 11:00/5:22	
C-14 N. Tracy	6:46/7:10	/	
C-15 G. Maichele	6:30/6:37	6:53/7:13 5:53/6:03	
C-16 S. Hunt	6:33/6:37	6:53/7:13 7:53/10:11 5:54/5:56	
C-17 P. Smith	6:44/7:10	/	
C-18 R. Edwards	6:46/7:31	12:21/12:23 1:30/1:34 5:34/5:51	
C-19 R. Bartles	6:53/8:00	5:~~30~~/5:23	
C-20	/	/	
E-1 G. Stiles	6:30/12:16	1:03/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swann	/	/	
E-5 C. Bixby	7:57/4:09	/	
E. Casey	7:09/~~12:13~~	/~~12:1~~	
~~A-1~~ E-6 A. Patterson	7:09/12:13	12:30/	
~~A-2~~ D. Simpadian	7:39/12:03	12:45/	
A-4	/	/	
C/E-1 D. Stubbs	9:28/10:58	12:12/1:43	
C/~~E-3~~ A7 M. Hrywnak	10:35/1:00	/	
C/E-8 J. Salvatore	10:35/1:00	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00/2:00	/	
S-4 T. Cobb	1:49/6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 22, 1990

No./Name		Time In/Out	Time In/Out		Remarks
A-2	D. Rall	6:25/8:44	10:33/12:15	12:51/3:47 4:13/5:28	OHM
A-3	M. Miller	6:25/12:15	12:51/5:28		
A-4	J. Facio	6:55/12:13	12:52/5:09		
A-5	R. Moyer	6:55/12:13	12:52/5:09		
A-6	J. Lovewell	6:55/12:13	12:52/5:09		
A-7	A. Gonzales	6:55/12:13	12:52/5:09		
C/E-3	D. Tingue	6:55/12:03	12:35/5:29		Meyers Landscaping
C/E-4	R. Crooks	6:55/12:03	12:35/5:29		
S-6	K. Wells	7:04/11:51	1:35/3:19	3:38/	Geo-Systems
S-7	J. Parks	6:46/11:51	12:48/6:22		
S-8	R. Parks	6:46/11:51	12:48/6:22		
S-9	B. George				
C/E-6	B. Olszewski	7:37/12:03			ReTech
C/E-7	M. Miller	7:27/12:03			
	D. Fuller	6:55/12:03	12:47/5:27		Empire Soils
	J. Beyea	6:55/12:03	12:47/5:27		
	D. Pawlowski	8:31/12:03	12:47/6:10		
	D. Ludlow	8:31/12:03	12:47/6:10		
~~Machine tracking~~		~~7:46/~~			~~GeoSystems~~

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 22, 1990

No./Name	Time In/Out		Time In/Out		Remarks
A-9	8:03/8:12	9:10/9:15	10:20/10:24	11:21/11:25	12:21/12:24	1:25/1:32	2:28/2:31	3:30/3:33
A-10	8:06/8:13	9:17/9:21	10:21/10:27	11:25/11:30	12:35/12:39	1:40/1:58	2:53/2:58	3:58/4:03
A-5	8:16/8:21	9:21/9:27	10:32/10:36	11:39/11:43	12:42/12:47	1:54/2:00	2:56/3:0/3:59	4:05
A-6	9:21/9:24	11:39/11:43	12:41/1243	1:47/1:58				
A-9 - 4:39/4:36								
A-10 - 5:01/5:04								
A-5 - 5:06/5:11								

A-9	~~Bruce~~ Brian Ennis		Mills Transport
A-10	Bill Fitzmyer		"
A-5	Marc Warriner		"
A-6	Boyd Green JR.		
Lyons Equipment		8:31/8:44	pick up chipper
Shorts Oil Co.		9:35/10:00	
Adams Septic Service		9:45/9:52	
John Dixon		10:58/10:59	Bakers
Charlie Baker		10:30/10:33	10:58/10:59 1:30/1:33
Tom Gowan C-20		10:20/12:22	Beam Clean
Mike Lydden		11:02/12:00	
Pete Mulkin		10:25/11:02	Bakers
National Fuel Gas		11:29/11:30	
Phil Rankin E-2		11:50/12:15	
Patton's Busy Bee		12:08/12:18	
Dick Neely		1:28/1:30	WVFD
Fed Ex		2:17/2:19	1pc delivery
UPS.		4:13/4:16	1pc. delivery/1pc pickup
Malone Trucking		5:46/	Geo Systems

D. DEKKER
L. DEKKER
P. Porter
A. Muellerleile
E. Gontowski
G. Stiles
E. Casey
A. Patterson
D. Simpadian
K. wells

all still here

PROJECT ENTRY PERMIT

DATE: 10-22-90 TIME IN: _____ TIME OUT: 6:50pm

NAME: Dave Dekker

COMPANY: Connie

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10-22-90 TIME IN: _____ TIME OUT: 6:50

NAME: LaVonne Dekker

COMPANY: Connie

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10-22-90 TIME IN: _____ TIME OUT: 7:10 pm

NAME: A Mueller file

COMPANY: Connie

BADGE No: C-4

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10-22-90 TIME IN: 6:50 am TIME OUT: 8:30 am

NAME: F. Gontowski

COMPANY: Canonie

BADGE No: C-6

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 10.22-90 TIME IN: 6:35 am TIME OUT: 8:30 am

NAME: Pete Porter

COMPANY: Canonie

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 21, 1990

Arrived at: 7:10 am
Plan of Day:

Only one contractor working today - Geo Systems.

* Complete stabbing of wick drains.
* Move rig off T/F pad.
* Dismantle rig and move to decon pad.
* Clean-up work area.

Checked out E/B, no security problems. River is still about 1'6" above normal. Canonie work area has improved the last few days.

* More organized, w/management control of all activities.
* Plan of day instructions being followed, w/activities all directed to productive efforts,

Checked W/B dike - need directions on height of dike so we can complete, water is collection in the lower areas - their is soon areas that appear to be 6" to 8" lower time the blue tops.

Geo Systems completed stabbing wicks at 11:10 am and started dismantling rig, had rig down by decon pad at 2:15 pm.

Geo Systems left at 2:35 pm.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 20, 1990

Arrived at 6:25 am the temperature at this time was 34 degrees.
Plan of Day:

Canonie
* All work will be on E/B toe trench.

OHM
* Excavate SLA.
* Set settlement plates.

Empire
* Drill well 2nd section and 1st section.
* Repair rig.

Geo Systems
* Stab wick drains.

Drillers showed up at 8:10 am for track rig.

OHM started excavation at south end of SLA at 11:30 am - material is wet and haulers are having problems crossing the SLA surface. Will try to cut a road around the West side.

Drillers for skid rig came in at 1:00 pm and worked on it.

Drillers on track rig complete wells in 2nd section and 1st section - installed fluid detection well in 1st section and walked out of wick drain rigs way.

Wick drain man like 76 drains finishing.

OHM moved 480 cy +or- from SLA.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 19, 1990

Arrived at
Plan of Day:

* Canonie
  * Wet conditions no work West dike.
  * Resound toe trench bottom on East dike - water level up 2 feet from yesterday morning.
  * Place rip rap if possible.
* Geo Systems
  * Move onto CELA testfill area and commence installation of wick drains.
* Empire Drilling
  * Repair "down" rig.
  * Continue drilling with ATR.
* ReTec/GeoComp
  * Supervise drilling activities.
* OHM
  * Spread stone in decon area for decon trailer pad.
  * Construct equipment decon pad and sump.
  * Construct access ramp from SLA to CELA.

Field Observations and Activities:

* Canonie backhoes placing and finishing rip rap on East side. No further toe trench excavation due to high water. Rip rap trucks having no trouble delivering direct to backhoe on route following dike centerline.
* Geo Systems
  * Completed assembly of equipment. Moved test pad and commenced wick installations in 14 to 16 foot depth range. First drain in at 8:20 am. Work proceeded thru morning at a rate of 35 drains per hour (if maintained would require 24 hours to complete).
* OHM
  * Prepared decon area. Pads for personnel decon trailer and equipment decon.
* Empire Drilling
  * Drillers for ATR arrived on site at 9:00 am. Took shelby tubes in C2-2 and installed piezometer. Drilled C2-3 and installed piezometer. Moved rig off site (off of test fill area) to allow wick contractor to complete over week end.
  * Trailer mounted rig "down" for day.
* ReTec/GeoComp
  * Provided technical supervision of drilling activities and wick drain installations.

Left site at 2:30 p.m. for scheduled R&R at home office location.

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 10-20-90 DAY: Sat HRS.WRK. 10 REPORT NO. 12

WEATHER INFORMATION:

TEMPATURE: High 55 Low 34° WIND: Mph. 0-10 Dir. SW

PRECIPITATION: 0 HUMIDITY: —

PERSONNEL: NON-MANUAL

EBASCO.	C.M.	1	SUB.	EMPIRE SOIL	
	F.E/I	0		SUPT.	0
	H&SO	2		ENG.	0
	C/SE	0		LABOR	0
	P.M.	0		OPER.	4
	HOP	0		OTHER	0
	"		SUB.	Geo System	
	"			SUPT.	1
ARCO	P.M.	0		ENG.	0
	OTHERS	0		LABOR	2
	"			OPER.	1
USCOE/EPA		1		OTHER	0

"

VISITORS Mark Moeller-Retec.

SURVEYOR Doug Myers - 0

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer	0			
Dozer	0			
Back Hoe	0			
Back Hoe	0	See OHM Report		
Compactor	0			
Compactor	0			
Dump Trk.	0			
Dump Trk.	0			
Others Drill Rig track	8			
" Drill Rig skid			10	Mech. Worked on Rig
" Work Drain Rig	10			
"				
"				

MEETINGS:

PLAN OF DAY Empire: Drill Wells on 1st & 2nd Section & Repair Skid Rig.
GeoSystems: Stab Wick Drains.

SAFETY follow instruction of H&S supv. Be aware of other equipment working around you.

SCHEDULED None

UN-SCHEDULED None

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION Drill and Install piezometer wells on 1st & 2nd sections -
Stab Wick Drains on 1st & 2nd section.

SLA EXCAVATION: see OHM

WASTEPILE CONSTRUCTION: see OHM

OTHER: see CANONIE

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	0	TESTFILL CONST.	CY	0
			AGGREGETES	TON	0
			SETTLEMENT PLATES	EA	0
			OBSERVATION WELLS	EA	0
			GEOTEXTILE FAB	SY	0
SLA EXCAVATION	OHM		BEDDING MATERIAL	TON	0
GEOWASTE MATERIAL	CY	0	GEOTEXTILE FAB	SY	0
CANTAMINATED WASTE	CY	475	CAYMAX	SY	0
CLEAN	CY	0	GEOMEMBRANE	SY	0
MISC.	CY	0	MISC. Piezometer Wells	EA	4
MISC.	___	0	" Fluid detection well	EA	1
			" Wick Drains	EA	486
			"	___	
			"	___	

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	0	GEOTEXTILE FAB	SY	0
OBSERVATION WELLS	EA	0	BEDDING MATERIAL	CY	0
AGGREGATES	CY	0	GEOMAMBRANE	SY	0
CLAYMAX	CY	0	EQUIP. FUEL&LUBE	GAL	0
MISC. Bedding Sand	CY	19	MISC.		
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.
Bedding Sand - Chemical test from Alfred Atlas Stone

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON		NONE	
USED OIL/LUBE.	GAL			
MISC.	___			

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED		DECON CERTS.	APPROVED BY
(Green) Dump Truck	YES X	NO	Not in Contaminated Area.	
	YES	NO		
	YES	NO		
	YES	NO		
	YES	NO		
	YES	NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

See Empire Report Attached report required by Contract document

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

COMMENTS Empire Report will provide details of drill rig operations - Ground surface extremely wet making mobility of rig difficult

- Excavated SLA material too wet, soil/waste interface easy to distinguish

TECHNICAL CONCERNS/PROBLEMS:

- Piezometer installation - wet ground making drill rig operation difficult

- SLA Excavation - It may be difficult to obtain 90 percent compaction due to excessive moisture in material from SLA excavation

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	20	150
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 20 Emps. Out: 20

Equipment: In: 4 Out: 4 (CRANES 2 HMV's 2)

Venders Equipment: In: — Out: —

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage Response
1				
2		-NONE-		

Accident/Breeches Report:

-None-

RECEIVED
OCT 24 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 10-20-90 DAY: Saturday HRS.WRK. 10hrs REPORT NO. 107

WEATHER INFORMATION:

TEMPERATURE: High 70 Low 32 WIND: Mph. — Dir. —

PRECIPITATION: None HUMIDITY: Mod RIVER EL: AM - PM -

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I		R.E.
	H&SO	1	P.E.
	C/SE		QCM 1
	P.M.		H&SO
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	App Surveyors
"		SUPV.	EMPS. 2
USCOE/EPA	1	SUB.	
"		SUPV.	EMPS.
VISITORS	See Security Log		

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 6

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963		Stand by		
" D-6		Stand by		
" D-5	10			
" 12G	8			
(Sheep) Compactor		Stand-by		
(Smooth) "	8			
Canonie Wtr. Trk		OFFSITE For Repairs		
Hertz Wtr.Trk		Stand-by		
(E. Bank) Cat 235	10			
Komatsu PC 200		Stand-by		
Generator / Steam Gengy		Stand-by		
1/2 ton pickup	10			
Mechanic Trucks	11			
Front End Loader		Stand		

MEETINGS:

PLAN OF DAY W. Bank: No Work
E. Bank: Con't working on toe trench and re-install temporary culvert at Sta 16+75.

SAFETY Good Construction safety

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK

EAST BANK # 203 (Construct E. Bank Toe Trench)

RIVER (Any activity performed in water or gravel bar)
Toe Trench E. Bank

OTHER Re-installed Culvert sta 16+75

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	866.7
EXCAVATION			BEDDING MATRL	CY	55.9
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	151.7	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL. ~~CY~~		112.33
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Reset toe stakes sta 18+00 - sta 15+00
- Keep grade for Toe Trench excavation

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	17+50	A-3	Excavation	Toe Trench	X	
2	18+00	A-6	Geotextile		X	
3	17+75	A-7	Bedding		X	
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

10-20-90

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:	7, 2	70, 15
"D"mod		
"D"		
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1		NONE			
2					
3		Work Taking Place on E. Bank			
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	08:30	Stn 18+00 E Bank	4 / 2 · Cat 235, D-5	Class	None
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS: None

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In: _____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES: None

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1					
2					

Accident/Breeches Report:_____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

October 20, 1990

NO reportable incidents

K. WELLS
G. STILES
M. MILLER
STILL ONBOARD

PAGE: 6 OF _____

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CLIENT: ARCO | DATE: 10/20/90

CLIENT: Sinclair Refinery, Wellsville | ~~PEPS~~

JOB NO: 88-093 | LOCATION OF WORK: E. Bank

ACTIVITY: - E. Bank -

#703 (Construct E. Bank Tear Trench)

Excavated sta 18+50 - sta 17+20

Geotextile sta 18+50 - sta 17+30

Bedding sta 18+50 - sta 17+50

- see inspection sheets for Details

OTHER:

Remove and Install 8" culvert to a greater depth at sta 16+25 in order to construct a stable Haul Road.

Form 1

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-3
SHEET ____ OF ____

EXCAVATION FOR KEY TRENCH/
TOE PROTECTION TRENCH

INSPECTION DATE 10-20-90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	____	____	X
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X	____	____
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X	____	____

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 18+50 TO 17+30

4. REMARKS Toe Trench excavation was verified by the surveyors prior to placement of any materials.

INSPECTOR _____ DATE 10-23-90

REVIEWED BY _____ DATE 10.24

GEOTEXTILE

FORM
SHEET ____ OF ____
INSPECTION DATE 10-20-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 18+00 TO 17+30

5. REMARKS Geotextile was bound together with pig rings to verify 18" to 24" overlap

INSPECTOR [signature] DATE 10-23-90

REVIEWED BY [signature] DATE 10.24

BEDDING

FORM -7
SHEE ____ OF ____
INSPECTION DATE 10-20-20

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. BEDDING LOCATION

DIKE STATION 13+50 TO 17+00

5. REMARKS Bedding thickness was verified by the surveyors or by probing

INSPECTOR [signature] DATE 10-21-20

REVIEWED BY [signature] DATE 10.24

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 10-20-90

Non-Use or Mis-Use of PPE

None

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations

None

Job-Related Illness or Injuries

None

Weather Data
10-15-90 - pt cloudy, high in 50's, NW winds
10-16-90 - pt sunny, high in 60's, NW winds
10-17-90 - Sunny, high in 60's, NW winds
10-18-90 - Rain high in 60's varing winds
10-19-90 - Morning Rain - highs in 40's, varing winds

Air Monitoring Summary

No levels above bg/normal found on the west bank dike during canonie operations this week - through 10-19-90

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 20 OCTOBER 1990

No./Name	Time In/Out	Time In/Out	Remarks IN/OUT 5:20/6:05	IN/OUT	IN/OUT
C-1 D. Dekker	6:30 17:12 8:06/8:10	8:52/8:55	11:30/11:42	1:10/1:08	3:10/3:35
C-2 L. Dekker	8:52 /11:42 1:10/3:35	5:20/6:05			
C-3 P. Porter	/	/			
C-4 A. Muellerleile	/	/			
C-5 C. Ettinger	/	/			
C-6 F. Gontowski	6:55/17:20 7:34/7:58	11:57/12:05	1:00/1:02	5:40/6:05	
C-7 C. Chang	/	/			
C-8 J. App	/	/			
C-9 G. Lazusky	/	/			
C-10 C. Carrow	6:45/17:50	12:23/12:25	5:28/5:35		
C-11 B. Mckim	/	/			
C-12 C. Mckim	6:40/17:05	5:59/16:00			
C-13 G. Reid	6:37/17:05 7:58/8:00	5:59/6:00			
C-14 N. Tracy	6:50/17:05	5:59/6:00			
C-15 G. Maichele	6:30/16:33 6:48/7:[illegible]	5:59/6:00			
C-16 S. Hunt	6:30/16:33 6:48/7:14	9:57 9:58	5:48/6:00		
C-17 P. Smith	6:45/17:05	5:59/16:00			
C-18	/	/			
C-19 R. BARTELS	6:48/17:50	12:23/12:25	5:28/5:35		
C-20	/	/			
E-1 G. Stiles	6:26/12:20	12:44/			
E-2 T. Granger	/	/			
E-3 S. Stiles	/	/			
E-4 D. SIMPDIAN	1:40/6:00	/			
E-5 T. YACHIASKI	6:54 9:00	9:40/12:20	12:44/3:32		
E-10 E. CASEY	7:00/11:22	12:16/6:17			
A-1	/	/			
A-2	/	/			
A-4	/	/			
C/E-1 D. Stubbs	9:15/1:00	/			
C/E-2	/	/			
C/E-3	/	/			
C/E-4	/	/			
S-1 Jon Palmer	/	/			
S-2 A. Palmer	/	/			
S-3 Jerry Palmer	/	/			
S-4 T. Cobb	/	/			
S-5 A. Fox	6:00/6:30	/			
S-6	/	/			

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: OCTOBER 20, 1990

No./Name		Time In/Out	Time In/Out		Remarks
*A4	R. MOYER	7:00 / 12:19	12:56 / 5:12		OHM
*A5	J. FACEO	7:00 / 12:19	12:56 / 5:12		OHM
*A6	A. GONZALEZ	7:00 / 12:19	12:56 / 5:12		OHM
*A7	J. LOVEWELL	7:00 / 12:19	12:56 / 5:12		OHM
*A2	D. ROLL	6:44 / 9:10	10:19 / 12:19	12:56 / 5:30	OHM
*A3	M. MILLER	6:44 / 12:19	12:56 / 5:30		OHM
CE2	J. PARKS	7:00 / 12:00	12:38 / 6:00		GEO SYSTEMS
CE3	R. PARK	7:00 / 12:00	12:38 / 6:00		"
E9	K. WELLS	7:00 / 12:20	12:44 /		"
E-2	B. GEORGE	7:00 / 12:00	12:43 / 6:05		"
*S-B	D. FULLER	8:15 / 12:00	12:43 / 4:54		EMPIRE
*A-1	D. PAWLOWSKI	8:15 / 12:00	12:43 / 4:54		"
CE-5	M. MILLER	7:00 / 12:28	1:08 /		RF-TECH
*CE-7	R. KEPHART	11:40 / 12:25	1:10 / 4:54		EMPIRE
*S-7	B. JOHNSON	11:40 / 12:25	1:10 / 4:54		"
CHARLIE BAKER			11:05 / 11:31		DELIVERY FOR OHM
BOYD GREEN JR			2:05 / 2:46		GREEN TKG

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 19, 1990

Arrived at 6:20 am
It has been drizzling all night and is in the low 40's with 40 Mph gusts.

Plan of Day:

Canonie
* Work toe trench construction E/B.

OHM
* Complete decon pad.
* Unload gravel for pad.
* Construct clean road on north end of CELA.

Empire
* Sled rig still down.
* Drill 2nd section.

Geo Systems
* Stab wick drains.

Driller and mechanic came in at 7:00 am to work on sled rig.

Second drill crew did not show up until 9:00 am and then the GeoComp/ReTec team wasn't available for witnessing shelby tube samples for 45 minutes.

Stubby came in and said that he guessed that there was going to be a meeting on the Dike problem next week at the site - I told him what I was told - he said what do I say.

Geo Systems started stabbing wicks at 7:45 am, set 35 in the first hour - he wants to work Saturday and Sunday.

Dave D. submitted his Sept. invoice, he told me that he had been told that we did not except the mod response I told him that was right - I could not recommend something that was totally out of line, and I wanted the unit rates loaded and the rip rap handled as a separate issue, he did not think that is being fair and said that he had learned his lesson on this job and would never do it again.

Called James Ball - he will complete ground work next week and have data ready the following week.

Vanu called - Empire will handle geo. testing - call them by end of previous day. They will come dowm $400.00 per day 2 hours down 4 on site 2 hours back.

Received 789 ton of stone for test pad.

Wick drainer/Geo Systems - stabbed 316 drains.

Joe Genoves of Empire called he will work Saturday and longer days next week.

Bill of GeoComp left at 4:30 pm.

I talked with Mark of ReTec - he can support the drilling operation.

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 10-19-90 DAY: Fri HRS.WRK. 10 REPORT NO. 11

WEATHER INFORMATION:

TEMPATURE: High 55° Low 44° WIND: Mph. 40 Dir. NW

PRECIPITATION: .2" HUMIDITY: —

PERSONNEL: NON-MANUAL

EBASCO. C.M. 1 — SUB. Empire Soil
F.E/I 1 — SUPT. ø
H&SO 2 — ENG. ø
C/SE ø — LABOR 2
P.M. ø — OPER. 3
HOP ø — OTHER ø
" ø — SUB. GeoSystems
" ø — SUPT. 1
ARCO P.M. ø — ENG. ø
OTHERS ø — LABOR 2
" ø — OPER. 1
USCOE/EPA 1 — OTHER ø
"

VISITORS Bill Olusikie GeoKomp & Mark Retec

SURVEYOR Doug Myers (2)

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Dozer	ø			
Dozer				
Back Hoe				
Back Hoe				
Compactor				
Compactor				
Dump Trk.				
Dump Trk.	6			
Others Drill Rig Teach 7		ø	ø	See Activities
" Drill Rig Sled ø		ø	10	" "
"with Drain Rig 10		ø	ø	ø
"				
"				

MEETINGS:

PLAN OF DAY Empire: Drill & Install piezometer wells in 1st & 2nd Sect.
GeoSystems: Stab Wick Drains.
Doug Myers: Topo. Waste Pile Area & Lay-out Wick Drains

SAFETY Follows H&SO instructions.

SCHEDULED None

UN-SCHEDULED None

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION Continued drilling in section #3. 4 holes complete - Skid rig is still down. Mechanic has worked on it all day.
GeoSyst. started install drains this AM @ 8:00 - Complete 316 @ end of day. Received 789 Ton of Test pad stone.

SLA EXCAVATION: See OHM report

WASTEPILE CONSTRUCTION: See OHM Report

OTHER: Constructed clean road at North end

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	0	TESTFILL CONST.	CY	0
			AGGREGETES	TON	0
			SETTLEMENT PLATES	EA	0
			OBSERVATION WELLS	EA	0
			GEOTEXTILE FAB	SY	0
SLA EXCAVATION			BEDDING MATERIAL	TON	0
GEOWASTE MATERIAL	CY	0	GEOTEXTILE FAB	SY	0
CANTAMINATED WASTE	CY	0	CAYMAX	SY	0
CLEAN	CY	0	GEOMEMBRANE	SY	0
MISC.	CY	0	MISC.		0
MISC.		0	"Piezometer Wells	EA	4
			"Wick Drains	EA	316
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	0	GEOTEXTILE FAB	SY	660
OBSERVATION WELLS	EA	0	BEDDING MATERIAL	CY	0
AGGREGATES	CY	789	GEOMAMBRANE	SY	0
CLAYMAX	CY	0	EQUIP. FUEL&LUBE	GAL	0
MISC. 1 reel of Cable, Elec			MISC.		
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.
Chemical test results for Alford Atlas Stone, is on file.
Retec Holds info on Monitoring equip.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	0		
SANITARY WASTE	GALS	0		
DEBRI	TON	0	N/A	N/A
USED OIL/LUBE.	GAL	0		
MISC.		0		

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
Dump Trucks	YES X NO	Not Allowed in Contaminated Area	
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS Empire soils Skid Rig is still down. wet conditions make work exteemly hard.

TECHINICAL CONCERNS/PROBLEMS:
Wet Conditions Still prevail on the CELA - Activities are limited to track type equipment.

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	0	0
"D"mod	0	0
"D"	11	82
"C"	0	0
"B"	0	0
OTHER	0	0

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In: 11 Emps. Out: 11
Equipment: In: 0 Out: 0
Venders Equipment: In: 0 Out: 0

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2					

Accident/Breeches Report: NONE

RECEIVED
OCT 2 4 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 10-19-90 DAY: Friday HRS.WRK. 10 hr. REPORT NO. 106

WEATHER INFORMATION:

TEMPERATURE: High 52 Low 37 WIND: Mph. 10-20 Dir. SE

PRECIPITATION: T-rain Flurries HUMIDITY: High RIVER EL: AM 6.69 PM

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I 1	R.E. 1	
	H&SO 1	P.E. 1	
	C/SE	QCM 1	
	P.M.	H&SO 1	
	HOP	P.M.	
	"	P.SEC 1	
	"	HOP	
ARCO	P.M.	"	
OTHERS		CANONIE SUB. App Surveyors	
"		SUPV. EMPS. 2	
USCOE/EPA	1	SUB.	
"		SUPV. EMPS.	
VISITORS	See Security Log		

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 6

Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			-
" 963		Stand-by		
" D-6		Stand-by		
" D-5	8			
" 12G		Stand-by		
(Sheep) Compactor		Stand-by		
(Smooth) "		Stand-by		
Canonie Wtr. Trk		OFF Site for Repairs		
Hertz Wtr. Trk		Stand-by		
(E. Bank) Cat 235	10			
Komatsu PC 200		Stand-by		
Generator / Steam Genny		Stand-by		
½ ton pickup	10			
mechanic Trucks	11			
Front End loader		Stand-by		

MEETINGS:

PLAN OF DAY E. Bank : General clean-up after flooding. Place Rip Rap in Toe Trench to grade.
W. Bank. No work on Bike : Support Area ; clean up tool trailer

SAFETY Wear life vests when checking grade on Rip Rap and Good Construction Safety

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA Clean up tool trailer.

WEST BANK

EAST BANK # 704 (Construct E Bank Bike)
705 (Place E Bank Rip Rap Protection

RIVER (Any activity performed in water or gravel bar)
Placement of Rip Rap in Toe Trench

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	E.O.D. 643.55
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	677.15
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC. Fertilizer	21 bags		MISC. Lime	7 tons	

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

Seed 924 #

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY
Ungerman PC200 Left site for the Day and was returned at the End of Day			

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

No Incidents or accidents to report today — October 19, 1990.

Daily Progress Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CLIENT: ARCO | DATE: 10-18-90

CLIENT: Sinclair Refinery, Wellsville | ~~PEIPS~~

JOB NO: 88-093 | LOCATION OF WORK: E. Bank

ACTIVITY: - E. Bank -

#704 (Construct E. Bank Dike):

- Staked out east bank dike Sta 2+00 - 6+00 and brought Top of Dike to grade.
- E. Bank Dike Sta 2+00 - Sta 6+00 awaits geotextile, bidding and Rip Rap to complete Dike.

#705 (Place E. Bank Rip Rap Protection)

- Rip Rap was placed and worked in place to meet Contract Drawings.
- Rip Rap Grades was verified by the Surveyors.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10-19-90

RIP RAP E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3,-0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 2+00 TO 6+00

5. REMARKS Placed Rip Rap in the trench to fill in low spots and Surveyors verified Rip Rap was at the correct elevation

INSPECTOR _____ DATE 10-20-90

REVIEWED BY _____ DATE 10.24

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-19-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - Rain/showers - no west bank work

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

N/A

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-19-90

Work Areas Checked: East bank

Employees Present in Work Areas: D. Reid, Clint Meekins, Scott Hunt, Norm Tracy, Dent Maiden, Ron Edwards, Phil Smith, Dave Ecker, Hunt Ettinger

Equipment Being Utilized: 2 trackhoes, loader, dozer

PPE Being Utilized: level D

Accidents/Breeches of Procedures:

none

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 19, 1996

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:39 / 8:01	8:50 / 11:02 / 1:57 / 4:27	5:08 / 6:26
C-2 L. Dekker	6:39 / 11:02	1:57 / 6:26	
C-3 P. Porter	6:55 / 8:01	8:50 / 10:54	11:28 / 12:45 1:18 / 1:22
C-4 A. Muellerleile	7:21 / 11:20	11:23 / 11:24	
C-5 C. Ettinger	6:57 / 8:09	8:38 / 9:47	10:38 / 12:38 1:11 / 2:15
C-6 F. Gontowski	6:56 / 10:54	11:18 / 12:23	1:00 / 2:38 3:56 / 5:01
C-7 ~~C. Chang~~ T. Allen	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	6:57 / 7:36	11:28 / 11:56	5:12 / 5:24
C-11 B. Mckim	/	/	
C-12 C. Mckim	6:50 / 7:16	/	
C-13 G. Reid	6:50 / 2:44	3:17 / 3:46	4:07 / 5:21
C-14 N. Tracy	6:50 / 7:09	/	
C-15 G. Maichele	6:37 / 6:38	6:55 / 7:26	8:31 / 11:58 12:24 / 5:56
C-16 S. Hunt	6:30 / 6:38	6:55 / 7:20	7:53 / 7:54 ~~8:28~~ / 11:57 12:13 / 2.44 3:17 / 4.07 / 4:37 4:45 / 5:21 5:51 / 5:56
C-17 P. Smith	6:50 / 7:10	/	
C-18 R. Edwards	6:55 / 12:01	12:12 / 2:44	3:17 / 3:46 4:07 / 5:21 5:51
C-19 R. Burtis	6:57 / 7:36	2:25 / 3:00	5:12 / 5:24
C-20	/	/	
E-1 G. Stiles	6:37 / ~~11:34~~ 12:21	1:00 /	
E-2 T. Granger	/	/	
E-~~3~~6 ~~S. Stiles~~ C. Bixby	7:56 / 3:45	/	
E-4 C. Swann	6:55 / 11:34	11:48 / 12:09	12:45 / 2:44
E-5 T. Yachinski	6:55 / 12:10	12:45 /	
E-9 E. Casey	6:50 / 12:10	12:45 /	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:51 / 1:15	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	12:08 / 12:09	/	
S-3 Jerry Palmer	6:00 / 2:05	/	
S-4 T. Cobb	1:49 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 19, 1990

No./Name	Time In/Out	Time In/Out	Remarks
A-7	7:45/7:55	9:00/9:06 10:08/10:12 11:11/11:21 12:16/12:18 1:18/1:23 2:32/2:35 3:30/3:39	
A-9	8:15/8:20	9:22/9:27 10:24/10:28 11:26/11:33 12:42/12:46 1:46/1:49 2:48/2:52 3:52/3:59 4:5[illegible]	
A-10	8:15/8:23	9:25/9:31 10:31/10:37 11:42/11:48 12:55/1:00 2:03/2:07 3:06/3:11 4:15/[illegible] 4:20	
S-10	8:31/8:38	9:37/9:48 10:48/10:54 11:55/12:01 1:42/1:06 2:06/2:13 3:09/3:17 4:19/4:29	

A-7	Boyd Green Jr	Green's Trucking
A-9	Brian Enois	Mills' Transport
A-10	Bill Fitzmyer	"
S-10	Marc Warriner	"

Charlie Baker	7:16/7:18	2:51/3:04	
Norm Ungerman	9:31/9:58		pick up excavator
Harry Brown	9:31/9:58		"
Rick Scutt	10:05/10:20		Shorts Oil Co.
Mike Kirsch	10:45/10:54	11:28/11:28	National Fuel Gas
Mrs. McBirn	11:45/11:49		to
Mrs. Reid	11:45/11:49		
Agway	12:55/1:09	1:31/1:43	delivery to Canonie
Mike Cudden	1:18/1:30		Bakers
Fed Ex	1:32/1:35		
Cleveland's Truck Lines	1:40/2:21		cable reel
Tom Gowan	1:55/3:30		Beam Clean
Brocks delivery	2:10/2:20		delivery of Concrete
Norm Ungerman	2:35/2:47		delivery of Back hoe
Ups	3:38/3:43		3pc. pickup

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 11, 1990

No./Name	Time In/Out	Time In/Out	Remarks
A-2 D.Rall	6:37/12:12	1:02/5:10	OHM
A-3 M. Miller	6:37/12:12	1:02/5:10	"
A-4 T. Romine	6:55/12:20		"
A-5 R. Moyer	6:58/12:04	12:32/5:04	"
A-6 J. Facio	/12:04	12:32/5:04	"
A-7 A. Gonzales		/5:04	"
S-8 J. Lovewell	↓ /12:04	12:32/5:04	"
E-7 R. Crooks	6:58/12:00	12:40/2:16	Meyers Landscaping
A-8 D. Tingue	6:58/12:00	12:40/2:16	
C/E-7 K. Wells	6:58/9:38	10:20/12:03 12:29/1:35 1:50/3:30 4:29/6:10	Geo-Systems
C/E-8 J. Parks	7:00/12:04	12:21/6:06	"
S-6 R. Parks	7:00/12:04	12:21/6:08	"
E-2 B. George	6:55/12:01	12:36/6:08	"
E-10 B. Olszewski	6:33/5:59		Re-Tech
S-5 ~~E-9~~ M. Miller	7:30/11:55	12:41/6:09	"
C/E-2 D. Fuller	7:07/10:42	1:07/1:24 4:53/5:25	Empire Soils
C/E-4 J. Beyea	7:07/10:42	12:05/12:22 1:08/5:25	"
C/E-5 D. Pawlowski	7:25/10:42	12:05/12:22 1:08/5:25	"
C/E-6 R. Kephart	7:48/10:42	1:07/1:24 4:53/5:25	"
UE-3 D. Ludlow	7:25/10:42	1:07/1:24 4:53/5:25	

~~D. Decker~~
~~L. Decker~~
G. Stiles
T. Yashinski
E. Casey
} Still here

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 18, 1990

Arrived at 6:50 a.m.
Plan of Day:

* Canonie
  * Continue East side toe trench and haul road extension.
  * Continue rip rap on West dike.

Field Observations and Activities:

* Canonie
  * Backhoe continued excavation of toe trench. Second backhoe placed bedding stone and rip rap. Moderate to heavy intermittent rain caused river to rise +- 2 feet by 5:30 pm. Contractor placed all available rip rap on land side slope of toe trench to preserve slope against erosion. Remaining trench must be sounded prior to continuance of rip rap placement after water subsides to assure that trench is not filled with sediment.
  * Continued to extend haul road on East side.
  * Check of East side dike construction at 5:30 pm showed 0-1 foot of freeboard of gravel (bank run from toe trench) within dike foot print.
  * Rip rap placement, trimming of inside slope and topsoil spreading was suspended on West dike due to wet conditions. All labor moved to East side.
* OHM
  * Spread pit run imported sand/gravel in pad for decon trailer.
  * Continued to install demarkation fencing around contaminated area (SLA and haul road).
  * Completed clearing of waste area adjacent to CELA.
  * Dozer used for approximately 1 hour to move "down" trailer mounted drill rig to repair area on CELA to provide access for mechanics.
* Empire Drilling
  * Drilling piezometer holes, shelby tube sampling, SPT sampling and installing piezometers. Three piezometers completed at shifts end C1-1, C1-2, C2-1. Trailer mounted rig down in pm due to mechanical problems. Moved same to clean road on CELA where mechanic could work.
* ReTec/GeoComp
  * Supervising and logging all drilling and instrument installations.
* Geo Systems
  * Moved backhoe and mast to CELA where mast was installed in preparation for start of wick drain work tomorrow. Work area was tested with backhoe

minus mast to determine supporting characteristics of CELA surface. Based thereon Geo Systems superintendent believes wick drain installation will proceed without supporting mats or filter fabric and stone.

Left site at 7:15 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 18, 1990

Arrived at 6:30 a.m.
Plan of Day:

Canonie
* Shape slope and place t/s w/b.
* Work rip rap w/b.
* Construct toe trench e/b.

OHM
* Construct decon pad.
* Complete fence erection.

Empire
* Drill wells 2 rigs.

Geo Systems
* Complete set up of equipment.

Dave D. asked about adding some stone to top of dike. I told him he needs to grade the 2% slope first.

Called Vanu - asked him about landfill ground pressure - he will check with Kris and Allen.

Called Tom and asked about adding stone to top of dike - he said they will have an answer today - so would rather wait.

Weekly progress meeting - see meeting minutes.

Went to level "C" at 10:30 am - but didn't stay 2 hours. Tom Yashinski found his reading to be the rain, so went back to level "D".

Geo Systems started walking their rig up to CELA at 11:00 am.

I went to East bank at 1:30 pm Canonie people were getting ready to start filling hole at station 0+50 but did not have the gas lines located - App Surveyor told me that when the gas man came down to lay them out he did not have any information on the abandoned line and was not sure about the active one - I went to the gas co. office and asked them to give me information on the location - they gave an 800 number to call. I returned to the office and called their 800 number I talked with the eng. he will discuss with Bob Alliard and call back.

The rain has been falling at a fairly heavy rate. The area (Allegany County) went under a flood watch at 11:30 am.

Canonie shut down the E/B operation at 2:30 pm due to the rise in the river.

Empire's trailer rig broke down at 2:30 pm. He will have a mechanic here in the morning. We are having to nurse maid this guy on everything.

It is still raining, have had 1.20" - turning colder.

Geo Systems is set-up and will start stabing wicks in the morning.

I checked the river at 4:20 pm up about 2 1/2 feet at wier.

I told Allan about the height of West dike he will work up a costed FCR.

I checked the river at 9:30 pm - it was running around 3 1/2 feet high at wier.

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 10-18-90 DAY: Thur HRS.WRK. 10 REPORT NO. 10

WEATHER INFORMATION:

TEMPATURE: High 55° Low 50° WIND: Mph. 0-20 Dir. NW

PRECIPITATION: .02 HUMIDITY: —

PERSONNEL: NON-MANUAL

EBASCO.	C.M.	1	SUB.	Empire Soil	
	F.E/I	1		SUPT.	0
	H&SO	2		ENG.	0
	C/SE	0		LABOR	0
	P.M.	0		OPER.	4
	HOP	0		OTHER	0
	"	—	SUB.	Geo System	
	"	—		SUPT.	1
ARCO	P.M.	—		ENG.	0
OTHERS		—		LABOR	2
	"	—		OPER.	1
USCOE/EPA		1		OTHER	0
	"	—			

VISITORS Bill Olusikie - Geo Comp & MARK Moeller - Retec

SURVEYOR Doug Myers - (2 emp.)

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe				
Compactor				
Compactor				
Dump Trk.				
Dump Trk.				
Others Drill Rig 5½ Skid		0	2½	Rig Broke down
" Drill Rig 9 TRACK		0	0	0
" Wich Drain Rig 10		0	0	Set-up & Check-out
"				
"				

MEETINGS:

PLAN OF DAY Empire Soil: Drill piezometer wells on the first & 2nd sections.
Geo. Systems: Stab wick drains on sections

SAFETY Follow HSO daily instructions

SCHEDULED None

UN-SCHEDULED None

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION Empire: Drill & Install Piezometer wells in first & 2nd section.
Geo Systems: Set-up Rig & Check out.
Doug Myers: Layout Wick Drains

SLA EXCAVATION: Doug Myers: Topo surface

WASTEPILE CONSTRUCTION: Doug Myers: Lay out perimeter

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	0
SLA EXCAVATION		
GEOWASTE MATERIAL	CY	
CANTAMINATED WASTE	CY	
CLEAN	CY	
MISC.	CY	
MISC.		

TYPE	UNIT	EST.QTY.
TESTFILL CONST.	CY	
AGGREGETES	TON	
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	TON	
GEOTEXTILE FAB	SY	
CAYMAX	SY	
GEOMEMBRANE	SY	
MISC. Piezometer wells	EA	2
"		
"		
"		
"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
AGGREGATES	CY	
CLAYMAX	CY	
MISC.		
MISC.		

TYPE	UNIT	EST.QTY.
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	CY	
GEOMAMBRANE	SY	
EQUIP. FUEL&LUBE	GAL	
MISC.		
MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

N/A

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS See Geo Comp & Roters well Report

TECHINICAL CONCERNS/PROBLEMS:
Well Drilling not progressing on sch. have call into Joe Gerwalds.

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	3	18
"D"mod	0	0
"D"	11	55
"C"	8	16
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In: 11 Emps. Out: 11
Equipment: In: 0 Out: 0
Venders Equipment: In: 0 Out: 0

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2					

Accident/Breeches Report: NONE

RECEIVED
OCT 24 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 10-18-90 DAY: Thursday HRS.WRK. 10 hrs REPORT NO. 105

WEATHER INFORMATION:

TEMPERATURE: High 64 Low 42 WIND: Mph. 10-30 Dir. S.E.

PRECIPITATION: 0.82" HUMIDITY: ____ RIVER EL: AM 5.36 PM 8.06

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I	1	R.E. 1
	H&SO	1	P.E. 1
	C/SE		QCM 1
	P.M.		H&SO 1
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS			CANONIE SUB. Appalachian Surveyors
"			SUPV. 1 EMPS. 2
USCOE/EPA	1		SUB.
"			SUPV. ____ EMPS. ____
VISITORS	See Security Log		

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 7

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	8			
" D-6	8			
" D-5	10			
" 12G	8			
(Sheep)Compactor		Stand-by		
(Smooth) "	8			
Canonie Wtr. Trk		OFF site for	repairs	
Hertz Wtr.Trk		Stand-by		
(E. Bank) Cat 235	8			
Komatsu PC 200	4			
Generator / Steam Genny		Stand-by		
1/2 ton pickup	10			
Mechanic Trucks	11			
Front End Loader	4			

MEETINGS:

PLAN OF DAY E. Bank : Con't work on Toe Trench and Haul Rod. W. Bank : Trim Back slopes, place Rip Rap and topsoil

SAFETY Good Construction Safety.

SCHEDULED Weekly meeting (Minutes to be submitted within 3 days)

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 604 (Construct W. Bank Dike)
605 (Place W. Bank Rip Rap Protection)
607 (Topsoil and Seed W. Bank Areas)

EAST BANK # 703 (Construct E. Bank Toe Trench)
704 (Construct E. Bank Dike)
705 (Place E. Bank Rip Rap Protection)
702 (Backfill E. Bank Common Fill Area)

RIVER (Any activity performed in water or gravel bar)
Toe Trench E. Bank

OTHER Build E. Bank Haul Road

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	121.2
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	780
EXCAVATION			BEDDING MATRL	CY	53.98
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	W. Bank : 111.81 E. Bank : 549.43
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		• Haul Road E. Bank Geotextile		375 SY
TOE TRENCH EXCAV.			•		
CLEAN MATRL.	CY	193.3	•		
WASTE MATRL.	CY		•		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	129.47
PIT RUN FILL	CY	121.2	RIP-RAP MATRL.	TON	638.28
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
•				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Set Shoulder Stakes @ 6+00 - 10+00 W. Bank

Req Grades for excavation sta 2+00 - 1+00 E Bank

Set Shoulder + toes sta 0+00 - 0+50 E Bank

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank	1	8+75	A-8	Rip Rap		X	
	2	1+75	A-3	Excavation	To Trench	X	
	3	2+50	A-5	Fill material	Above Water Level	X	
	4	2+00	A-6	Geotextile		X	
	5	2+00	A-7	Bedding		X	
	6	3+00	A-8	Rip Rap		X	
	7	12+50	A-11	Erosion	Control	X	
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

L[redacted] & SAFETY 10-18-90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1, 1, 1	64, 5, 3, 2
"C"		
"B"		
OTHER		

\I[redacted] MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	None - Rain & no west bank operations				
2					
3					
[redacted]					
5					
[redacted]					
7					
[redacted]					
9					
[redacted]					

DAILY SAFETY INSPECTIONS:

Inspections	Time	Location	No. emps./equip.	PPE level	Violation
1	0940	East bank	8/2 Trucks, loader, dozer, Roller	D	None
2	1405	East bank	9/2 Trucks, loader, dozer, roller	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: ✓ Emps. Out: ✓

Equipment: In: ✓ Out: ✓

Venders Equipment: In: ✓ Out: ✓

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: _____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

N/o Incidents or accidents to report today — October 18, 1990

FIELD ENGINEERING ACTIVITIES: (surveyors)

E. Bank

- Verified grade on Rip Rap sta 2+00 - sta 6+00
- Verified grade on Shoulder sta 2+00 - Sta 6+00
- Stake out top of Rip Rap sta 2+00 - Sta 6+00

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	4+00	A-8	Rip Rap		X	
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

LTH & SAFETY 10-19-90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	7, 1, 1	70, 4, 1
"C"		
"B"		
OTHER		

IR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	None - Rain (No west bank work)				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0900	East bank	4/tracktor, dozer, loader	D	None
2	1245	East bank	3/tracktor, dozer, loader	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: ~~/~~ Emps. Out: ~~/~~

Equipment: In: ~~/~~ Out: ~~/~~

Venders Equipment: In: ~~/~~ Out: ~~/~~

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: _____

Daily Progress Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CLIENT: ARCO | DATE: 10-18-90

CLIENT: Sinclair Refinery, Wellsville | ~~PERS~~

JOB NO: 88-093 | LOCATION OF WORK: W. Bank / E. Bank

ACTIVITY: - W. Bank -

#604 (Construct W. Bank Pike)
- Trimmed bank slope sta 6+00 - sta 8+50 to conform with the Contract Drawings.

#605 (Place W. Bank Rip Rap Protection)
- Placed and worked Rip Rap in place sta 8+50 - sta 9+00

607 - (Topsoil and Seed W. Bank Access)
- Topsoiled Bank slope of Pike sta 6+00 - sta 8+00

- E. Bank -

703 (Construct E. Bank Toe Trench)
- excavation sta 2+25 - sta 1+25
- Geotextile sta 2+55 - sta 1+40
- Bedding sta 2+65 - sta 1+50

704 (Construct E. Bank Pike)
- Suitable material Excavated from toe trench was used to construct E. Bank Pike. Sta 0+50 - 6+00

#702 - Unsuitable material was placed in Common Fill Area

#705 (Place E. Bank Rip Rap Protection)
- Rip Rap was placed in toe trench from Sta 9+20 - sta 1+60
- Rip Rap will be worked in place to fill in low spots 10-19-90.

OTHER :
E. Bank Haul Road sta 11+75 - sta 13+25

Erosion Control : Placed Rip Rap berm ~15' out in to the river to protect the bank from Erosion at sta 12+50

-941

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10-18-90

RIP RAP W. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 8+50 TO 9+00

5. REMARKS Placed Rip Rap and worked Rip Rap in place to comply with tolerances.

INSPECTOR [signature] DATE 10-19-90

REVIEWED BY [signature] DATE 10-24

FORM A-3
SHEET ____ OF ____

EXCAVATION FOR ~~KEY TRENCH/~~
TOE PROTECTION TRENCH E. Bank

INSPECTION DATE 10-18-90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	____	____	X
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X	____	____
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X	____	____

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 2+25 TO 1+25

4. REMARKS Excavation was verified by the surveyors prior to placement of any materials

INSPECTOR _____ DATE 10-19-90

REVIEWED BY _____ DATE 10-24

LL MATERIAL ABOVE WATER SURFACE E. Burk

SHEET ____ OF ____
INSPECTION DA. 10-18-90

MATERIAL	ACCEPT	REJECT	N/A
- BORROW MATERIAL OBTAINED FROM BORROW AREA APPROVED BY CONSTRUCTION MANAGER	X	____	____
- FREE OF DEBRIS, ROOTS, ORGANIC OR FROZEN MATERIAL, STONES 3 INCH AND LARGER IN EQUIVALENT DIAMETER	X	____	____
PLACEMENT			
- INSPECT KEY TRENCH FOR FREE STANDING WATER AND/OR ORGANIC MATERIAL BEFORE PLACEMENT OF DIKE FILL	____	____	X
- EXISTING GRADE IS SCARIFIED	X	____	____
- MAXIMUM LOOSE LIFT OF 12"	X	____	____
- INSPECT LAYER OF FILL OR EXISTING GRADE FOR PROPER MOISTURE CONTENT (± 2% OF OPTIMUM) PRIOR TO PLACEMENT OF NEXT LIFT.	____	____	X
- SURVEYOR VERIFY DIKE ALIGNMENT, SLOPES, CONFIGURATION AND DIMENSIONS IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.	X	____	____
VERIFICATION TESTING			
- 1 DENSITY TEST FOR EACH 750 CU. YDS. OR EACH AREA COMPLETED IN ONE DAY WHICHEVER IS LESS (AT LEAST 95% OF MAXIMUM DRY DENSITY)	____	____	X
- 1 MOISTURE CONTENT TEST (BETWEEN +2% AND -2% OF OPTIMUM) FOR EACH 750 CU. YDS. OR EACH AREA COMPLETE IN ONE DAY WHICHEVER IS LESS.	____	____	X

4. DUST CONTROL
ACTION TAKEN: _____

5. FILL LOCATION
DIKE STATION 0+50 TO 6+00

6. REMARKS _____

INSPECTOR _____ DATE 10-19-90

REVIEWED BY _____ DATE 10.24

FORM 5
SHEET ____ OF ____
INSPECTION DATE 10-18-90

GEOTEXTILE

E. Book

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X	____	____
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X	____	____
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X	____	____
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X	____	____
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X	____	____
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X	____	____
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.	____	____	X

4. GEOTEXTILE LOCATION

DIKE STATION 2455 TO 1740

5. REMARKS Geotextile was bound together with pig rings to verify 18" - 24" overlap.

INSPECTOR [signature] DATE 10-19-90

REVIEWED BY [signature] DATE 10.29

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 10-18-90

BEDDING

E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. BEDDING LOCATION

DIKE STATION 2+65 TO 1+50

5. REMARKS Bedding stone placed was verified by probing or by the surveyors.

INSPECTOR _____ DATE 10-19-90

REVIEWED BY _____ DATE 10.29

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10-18-90

RIP RAP E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES			
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 4+70 TO 11+60

5. REMARKS Rip Rap placed in the trench requires additional work to comply with allotted tolerance.

INSPECTOR _____ DATE 10-19-90

REVIEWED BY _____ DATE 10.24

FORM A-11
SHEET ____ OF ____
INSPECTION DATE 10-18-90

EROSION AND SEDIMENT CONTROL E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	____	____	X
2. PLACEMENT			
- SILT FENCES, HAY BALES AND OTHER EROSION CONTROL MEASURES ARE INSTALLED AS SHOWN ON CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	____	____	X

3. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES.

DIKE STATION 12+50 TO —

OTHER _____

4. REMARKS Installed Rip Rap Diversion Berm To Protect Bank from erosion

INSPECTOR _____ DATE 10-19-90

REVIEWED BY _____ DATE 10.24

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-18-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - Rain

Personnel Sampling

None

Name	Date	IWA

Calibration Method for Equipment

N/A

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-18-90

Work Areas Checked: East bank

Employees Present in Work Areas: N. Tracy, G. Reid, G. Maichele, S. Hunt, B. McKim, C. McKim, P Smith, R. Edwards, F Gontowski, A. Mulervile, K. Ettinger

Equipment Being Utilized: 2 Trackhoes, loader, Roller, Dozer

PPE Being Utilized: D

Accidents/Breeches of Procedures:

None

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 8, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:41 / 8:17	9:30 / 10:52	11:15/12:35 1:17/1:46 2:40/2:43
C-2 L. Dekker	6:41 / 12:35	1:17 / 2:47	2:50/3:36
C-3 P. Porter	7:00 / 8:51	9:04 / 12:15	12:55/[illegible] 3:08 4:32
C-4 A. Muellerleile	7:10 / 7:34	7:55 / 8:34	9:02/9:05 9:38/10:52 11:09/12:15 12:55/1:29
C-5 C. Ettinger	6:56 / 8:52	11:37 / 12:42	2:31/3:44 :55/2:08 3:40/4:16
C-6 F. Gontowski	7:02 / 9:37	11:33 / 12:15	12:55/2:17 4:30/6:10
C-7 ~~C. Chang~~ T. Allen	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:50 / 11:01	~~9:30~~ /	
C-10 C. Carrow	6:50 / 7:21	7:54 / 10:01	11:15/12:46 2:43/2:47
C-11 B. Mckim	6:36 / 8:51	9:10 / 11:07	11:45/12:40 5:33/5:37
C-12 C. Mckim	6:36 / 12:35	3:03 / 3:04	
C-13 G. Reid	6:35 / 7:10	/	
C-14 N. Tracy	6:46 / 7:10	~~6:50 / 7:10~~	
C-15 G. Maichele	6:30 / 6:34	6:50 / 7:10	2:41/2:51 4:37/5:32
C-16 S. Hunt	6:30 / 6:34	6:50 / 7:10	8:01/11:57 12:12/12:35 2:41/2:51 3:47/3:54 4:35/5:32
C-17 P. Smith	6:40 / 7:10	/	
C-18 R. Edwards	6:46 / 7:27	12:00 / 12:35	12:40/1:00 2:00/2:09 2:30/2:59
C-19 R. Baetles	6:50 / 7:21	11:15 / 12:46	2:43/2:47
C-20	/	/	
E-1 G. Stiles	6:30 / 9:03	9:30 / 12:00	12:35/1:08 1:41
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swann	6:50 / 11:55	12:52 / 5:00	5:24/5:27 5:52
E-5 T. Yashinski	6:55 /	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:40 / 11:27	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:00	/	
S-4 T. Cobb	1:51 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 16 1990

No./Name		Time In/Out	Time In/Out			Remarks
A-2	D. Rall	6:28/8:01	8:49/9:39	10:05/12:00	12:40/4:18 4:30/5:22	OHM
A-4	M. Miller	6:28/12:00	12:40/5:22			"
S-6	T. Romine	7:10/12:00	12:40/5:22			"
A-5	R. Moyer	7:00/11:56	12:31/5:08			"
A-6	J. Facio	7:00/11:56	12:31/5:08			"
A-7	A. Gonzales	7:00/11:56	12:31/5:08			"
S-8	J. Lovewell	7:00/11:56	12:311 5:08			"
E-7	R. Crooks	6:55/11:54	12:331 3:50			Meyers
E-9	D. Tingue	6:55/11:54	12:33/3:50			Landscaping
C/E-7	K. Wells	6:51/11:41	12:39/6:26			Geo Systems
C/E-8	J. Parks	7:00/11:41	12:39/6:21			"
A-3	R. Parks	7:00/11:41	12:39/6:21			"
S-9	B. George	6:47/11:41	12:39/6:14			"
E-2	T. Clark					Re-Tech
E-10	B. Olszewski	7:39/12:06	12:27/5:00			"
S-7	M. Miller	7:39/12:06	12:27/5:00			"
C/E-2	R. Kephart					Empire Soils
C/E-3	D. Ludlow	8:44/12:00	12:20/4:14			"
C/E-4	J. Beyea	8:05/4:17				"
C/E-5	D. Fuller	8:05/4:17				"
C/E-6	D. Pawlowski	8:44/12:00	12:20/4:14			"
C/E 2	D. Cash	1:58/3:54				OHM
Rupp	J. LAPEY	2:49/3:04				to See OHM

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 18 1990

No./Name	Time In/Out	Time In/Out	Remarks
A-9 Don Brandow	8:31/8:37	12:30/12:37	General Crushed Stone
A-3 Ray Charland	8:31/8:40		"
E-8 Jim Coombs	8:31/8:40		"
A-10 Jim Rafter	8:32/8:41	12:30/12:35	Spin Rite
S-10 Ron Salzman	12:11/12:15	4:00/4:06	Gen. Crushed Stone
Randy Greenman	9:14/9:28		South Main Lumber (OHM)
Boyd Green Jr.	9:28/9:34	11:52/11:55 3:44/3:51	
Dale Zanders	9:37/9:55		Shorts Oil Co.
Jim Tuk C-20	10:10/12:32		DEC
Dick Neely S-5	10:11/11:19		WVFD
UPS	10:21/10:23		
Charlie Baker	11:08/11:08	11:45/12:06	
J. Smith	12:05/12:20		Fassett Lane Lbr.
Marc Warriner	12:10/12:93		Mills' Transport
Bob Cline	12:25/12:92		Davidson Trucking
Brian Ennis	1:00/1:06		Mills' Transport
Norm Ungerman	1:16/1:43		
Fed Ex	2:16/2:40		38 pc delivery/1 pc. pickup
Ed Casey	3:32/		To see Tom Yashinski
Clint Perry	3:35/3:49		Allied Atlas
UPS	4:16/4:19		2 pc. pickup

P. Porter
G. Stiles
C. Swarn
T. Yashinski
E. Casey
} Still here

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 17, 1990

Arrived at 6:50 a.m.
Plan of Day:

* Canonie
  * Continue toe trench excavation - East side.
  * Continue haul road extension.
  * Continue rip rap placement - West side.
* OHM
  * Continue clearing SLA.
  * Rough grade haul road.
* Geo Systems
  * Complete assembly of wick drain equipment.
* Empire Drilling
  * Mobilize ATR and start drilling.
  * Continue drilling and piezometer installation.
  * Take 4 GeoTech samples for lab tests.
* ReTec/GeoComp
  * Supervise drilling, testing and piezometer installation.

Field Observations and Activities:

* Canonie
  * Toe trench excavation and rip rap placement continued on East side - excavated material from below water table is piled on bank to effect and enhance gravity drainage. After several hours of drainage, the gravel is spread out in the dike footprint and seems to be providing a stable base as compared to earlier work when material was not given time to drain. Condition now much improved.
  * Continued to extend all weather haul road toward South end of job for rip rap trucks and trucks hauling common fill.
  * Continued placing rip rap on West dike with Ungerman backhoe.
* OHM
  * Continued clearing S.L.A. using chainsaws and chipper.
  * Two off road haulers now on site for hauling from SLA to CELA. Hauled several loads of material from North waste stockpile to be used for cover if odors become troublesome during SLA excavations.
  * Case backhoe filled the 4 sample pits in SLA (4:30 - 5:30 pm).
  * Laborers began fencing around SLA.
* Geo Systems
  * Still assembling equipment.
  * Superintendent walked out access routes and inspected ground conditions in testfill area.

* Empire Drilling (working 8 to 5)
  * Completed boring P1-1 to approximately 20 feet. Boring consisted of continuous vane shear testing with SPT after vane refusal at 17 feet. Installed transducer, sand and bentonite pellets and grouted to surface.
  * ATR completed vane testing to refusal at 14 feet on P2-1.
  * Took GeoTech samples in SLA.
* ReTec/GeoComp
  * Tom Clark and Bill Olszewski supervising Empire Drilling work.

Left site at 7:30 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 17, 1990

Arrived at 6:18 a.m.
Plan of Day:

Canonie
* Continue rip rap W/B.
* Continue to work back slopes W/B.
* Continue placing topsoil W/B.
* Construct toe trench E/B.

OHM
* Develop haul road to CELA.
* Erect demarcation fence.
* Complete clearing of SLA.

Empire
* Continue drilling on first section.
* Set-up second rig (when it arrives) on section 8 and start shear vanes.

Geo Systems
* Continue setting up equipment.

Doug Myers
* Complete well lay-out.
* To off SLA.

Dave D. asked if we had any information on the additional 1 foot atop West dike - I told him no - he said that it would start holding him up today - I told him that I would let him know as soon as I heard something.

Went to East bank it looks like they are finally getting smart, the roads are up out of the water, they are control piling their excavated material and allowing it to drain before moving.

Received fax from USCOE - I went over to Stubby's trailer and he said that Frank Boyle wrote it and him and Dave B. didn't agree with it, he was going to call Mike N. and tell him that we had built the dike just like it had been designed. I let him know that I didn't appreciate it one bit and had told him and Dave B. more than once that they should give me something in writing for me to work with as I couldn't change the design on verbal comments.

Called Vanu and told him about fax.

I went out to the wick drain guys operation, he was welding new brackets on his leads and had debri and tools scattered all over the place - I told him that he had to keep his work organized and his trash picked-up. He had his men start cleaning up.

Baker of Jerico came in to weld nipples on settlement plates.

Empires 2nd drill rig showed p - a track job - at 10:20 am.

Mark K. of OHM came in he wanted to discuss their contract-

* Bedding sand for steelement plates

* Covering of piles w/hypo-ion

* Anchoring Geo-membrane.

I walked through each of these and told him to sent me a price for doing them. I also told him that I wasn't to pleased with their request for extra on clearing for relocation of pad. He will get me a price Thursday evening.

OHM had two heavy haulers - Moxey come in.

Kinny from Geo Systems asked how many PSI the landfill would support - he will be operating at 7.0 psi - I told him I would find out.

Tom Clark of ReTec left at 4:10 pm he is sending in another person.

RECEIVED
OCT 2 4 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 10-17-90 DAY: Wednesday HRS.WRK. 10 1/2 REPORT NO. 104

WEATHER INFORMATION:

TEMPERATURE: High 81 Low 40 WIND: Mph. — Dir. —

PRECIPITATION: T HUMIDITY: high RIVER EL: AM — PM 5.34

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I 1		R.E. 1
	H&SO 1		P.E. 1
	C/SE		QCM 1
	P.M.		H&SO 1
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	App Surveyors
"		SUPV.	1 EMPS. 2
USCOE/EPA	1	SUB.	
"		SUPV.	EMPS.
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 7

Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	3		5	
" D-6	10			
" D-5	8			
" 12G	8			
(Sheep) Compactor		Stand-by		
(Smooth) "		Stand-by		
Canonie Wtr. Trk		Offsite For Repair		
Hertz Wtr. Trk		Stand-by		
(E. Bank) Cat 235	10			
Komatsu PC 200	10			
Generator / Steam Genny		Stand-by		
1/2 ton pickup	10			
mechanic Trucks	11			

MEETINGS:

PLAN OF DAY - E. Bank : Con't work on toe trench and Haul Road.

- W. Bank . Work on Dike ; Place Rip Rap trim back slopes and place topsoil

SAFETY Remember to wear life vests when in River ; Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Act. ID # 604 (Construct W. Bank Dike)
Act ID # 605 (Place W. Bank Rip Rap Protection)
Act. ID # 607 (Topsoil and Seed W. Bank Areas

EAST BANK Activity ID # 703 (Construct E Bank Toe Trench)
Activity ID # 705 (Place E. Bank Rip Rap Protection
Activity ID # 704 (Construct E. Bank Dike)

RIVER (Any activity performed in water or gravel bar)
Toe Trench : E. Bank

OTHER Haul Road on E. Bank

PAGE: _____ OF ___

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	409.5
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	1213.33
EXCAVATION			BEDDING MATRL	CY	32.5 W. Bank: 45.0 E. Bank: 594.43
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		" E. Bank Haul Road Geotex Fabric		500 sy
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY	383.7	"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	~~CY~~	48.67 tons
PIT RUN FILL	CY	409.5	RIP-RAP MATRL.	TON	616.73
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Finish Shoulder Stakes W. Bank 5+50 - 10+00
- Reset Toe & Slope Stakes E. Bank 12+50 - 15+00
- Shot grade for toe trench on E. Bank

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank 1	7+00	A-8	Rip Rap		X	
2	2+50	A-11	Erosion Control		X	
3	3+00	A-3	Toe Trench	Excavation	X	
4	0+00 - 7+00	A-5	Fill Material	Above Water	X	
5	3+00	A-6	Geotextile		X	
6	4+00	A-7	Bedding		X	
7	6+00	A-8	Rip Rap		X	
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHNICAL CONCERNS/PROBLEMS:

ALTH & SAFETY 10-17-90

ACTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 2, 2, 1	80, 18, 8, 2
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1304	4+00	HNu	Real Time	0.5 ppm
2	1305	4+00	Miniram	RT	0.00 mg/m³
3	1306	4+00	CGI	RT	20.9% O₂, 0% LEL
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1000	East Load	5/backhoe, loader, Roller - D - None		
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: — Emps. Out: —

Equipment: In: — Out: —

Venders Equipment: In: — Out: —

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: _____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

No Incidents or accidents to report today October 17, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CLIENT: ARCO | DATE: 10-17-90

CLIENT: Sinclair Refinery, Wellsville | ~~PERS~~

JOB NO: 88-093 | LOCATION OF WORK: E. Bank / W. Bank

ACTIVITY: - W. Bank -

Activity E.D.# 604 (Construct W. Bank Dike)
- trimmed back slopes to meet Contract Drawings from Sta 2+00 - Sta 5+00

E.D.# 607 → spread topsoil Sta 0+00 - sta 5+00
- Placed bedding stone : Sta 12+25 - 12+50
- Trimmed Front Slopes sta 12+00 - 12+50

Activity E.D.# 605 (Place W. Bank Rip Rap Protection)
- Worked and Placed additional Rip Rap from Sta 5+00 to Sta 8+50.
- Rip Rap is ready for final Acceptance from Sta 0+00 - Sta 8+00

- E. Bank -

Activity E.D.# 703 (Construct E. Bank Toe Trench)
- excavation Sta 4+00 - Sta 2+25
- Geotextile Sta 4+40 - Sta 2+55
- Bedding Sta 5+00 - Sta 2+65
- Erosion Control was implemented prior to excavation.

E.D.# 705 - Rip Rap placed from Sta 6+50 - Sta 4+70

Activity E.D.# 704 (Construct E. Bank Dike)
- Suitable material excavated from the toe trench was used to construct E. Bank Dike Sta 7+00 - Sta 0+00
- G. Stiles (Ebasco) approved use of toe trench material as Dike Fill. Required compaction is four passes with the compactor. No testing is required.

OTHER:
- Haul Road complete with Geotextile used as a mat from Sta 8+75 - Sta 11+25
- Changed tracks and undercarriage on 963 loader.

F-941

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10-17-90

RIP RAP W. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3,-0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 5+00 TO 8+50

5. REMARKS Worked Rip Rap in-place to meet Contract Drawings for Final Acceptance

INSPECTOR _____ DATE 10-18-90

REVIEWED BY _____ DATE 10.24

FORM A-11
SHEET ____ OF ____
INSPECTION DATE 10-12-90

EROSION AND SEDIMENT CONTROL E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		
2. PLACEMENT			
- SILT FENCES, HAY BALES AND OTHER EROSION CONTROL MEASURES ARE INSTALLED AS SHOWN ON CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		

3. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES.

DIKE STATION 3+00 TO 2+00

OTHER _____

4. REMARKS Installed gravel berm with silt fence on the outside of the berm prior to excavation in the trench

INSPECTOR [signature] DATE 10-12-90

REVIEWED BY [signature] DATE 10.24

FORM A-3
SHEET ____ OF ____

EXCAVATION FOR ~~KEY TRENCH/~~
TOE PROTECTION TRENCH E. Bank

INSPECTION DATE 10-17-90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	____	____	X
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X	____	____
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X	____	____

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 4+00 TO 2+25

4. REMARKS Correct Excavation depths and alignment was checked by the surveyors throughout the operation.

INSPECTOR _____ DATE 10-18-90

REVIEWED BY ~~MA~~ " DATE 10.24

FORM A-5
SHEET ____ OF ____

FILL MATERIAL ABOVE WATER SURFACE E. Bank INSPECTION DATE 10-12-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BORROW MATERIAL OBTAINED FROM BORROW AREA APPROVED BY CONSTRUCTION MANAGER	X		
- FREE OF DEBRIS, ROOTS, ORGANIC OR FROZEN MATERIAL, STONES 3 INCH AND LARGER IN EQUIVALENT DIAMETER	X		
2. PLACEMENT			
- INSPECT KEY TRENCH FOR FREE STANDING WATER AND/OR ORGANIC MATERIAL BEFORE PLACEMENT OF DIKE FILL			X
- EXISTING GRADE IS SCARIFIED	X		
- MAXIMUM LOOSE LIFT OF 12"	X		
- INSPECT LAYER OF FILL OR EXISTING GRADE FOR PROPER MOISTURE CONTENT (± 2% OF OPTIMUM) PRIOR TO PLACEMENT OF NEXT LIFT.			X
- SURVEYOR VERIFY DIKE ALIGNMENT, SLOPES, CONFIGURATION AND DIMENSIONS IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.	X		
3. VERIFICATION TESTING			
- 1 DENSITY TEST FOR EACH 750 CU. YDS. OR EACH AREA COMPLETED IN ONE DAY WHICHEVER IS LESS (AT LEAST 95% OF MAXIMUM DRY DENSITY)			X
- 1 MOISTURE CONTENT TEST (BETWEEN +2% AND -2% OF OPTIMUM) FOR EACH 750 CU. YDS. OR EACH AREA COMPLETE IN ONE DAY WHICHEVER IS LESS.			X

4. DUST CONTROL ACTION TAKEN: None Required

5. FILL LOCATION
DIKE STATION 7+00 TO 0+00

6. REMARKS See Daily Report Sheet

INSPECTOR _____ DATE 10-12-90

_____ DATE 10-24

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 10-17-90

GEOTEXTILE

E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 4440 TO 2155

5. REMARKS Geotextile was bound together with pig rings to verify 18" to 24" overlap.

INSPECTOR [signature] DATE 10-18-90

REVIEWED BY [signature] DATE 10.24

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 10-17-90

BEDDING

E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. BEDDING LOCATION

DIKE STATION 5100 TO 2+65

5. REMARKS Bedding stone was checked by surveyors or by probing prior to placement of Rip Rap.

INSPECTOR _____ DATE 10-18-90

REVIEWED BY _____ DATE 10.24

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10-17-90

RIP RAP E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES			
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 6+50 TO 4+70

5. REMARKS Rip Rap Placed in the trench was checked by Sounding with the Bucket on the Cat 235 Hoe with the aid of the surveyors

INSPECTOR _____ DATE 10-18-90

REVIEWED BY _____ DATE 10.24

... and fabric, stone, rip rap placement.

PM Activities same as AM.

Time: 1015, Temp ≈ 60°F, Sunny, NW wind

Time: 1303, Temp ≈ 65°F, Sunny, NNW wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1/17/90 - 1304	4+00	HNU	PI 101	Cal = 111 ppm Isobutylene Bg = 0.5 ppm	0.5 ppm	Real Time
1/17/90 - 1305	4+00	Miniram	PDM-3	Z-bag for benzene	0.00 mg/m³	K.J
1/17/90 - 1306	4+00	CGI	241	15% O_2, 50% LEL	20.9% O_2, 0% LEL	K.J

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-17-90

Work Areas Checked: East bank
West bank dike

Employees Present in Work Areas: D. Reed, G. Marchelle, J Hunt, P. Smith, B. Mckim, C. Mckim, R. Tracy, ~~D. Dalton~~, R. Edwards, P. Porter, D. Webber, F. Gontowski, A. Smallwood, K. Ettinger

Equipment Being Utilized: 2 trackhoes, 2 loaders, dozer, Grader, Roller

PPE Being Utilized: level D

Accidents/Breeches of Procedures:
none

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-17-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

No levels above background/normal were found during west bank operations today

Personnel Sampling

none

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene
CGI = 50% LEL, 15% O_2
Miniram = 7 hrs for zeroing

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 17, 1990

No./Name	Time In/Out	Time In/Out	Remarks
			3:16/4:07 5:50/6:16
C-1 D. Dekker	6:35 / 8:16	9:21 / 9:47	10:35/11:46 12:20/12:54 1:23/1:36
C-2 L. Dekker	6:35 / 11:46	12:20 / 6:16	
C-3 P. Porter	6:54 / 11:58	12:29 / 6:17	
C-4 A. Muellerleile	7:11 / 7:23	7:36 / 11:58	12:29/2:04 4:09/4:18 5:20/6:18
C-5 C. Ettinger	7:00 / 8:39	9:42 / 10:04	12:44/1:35 5:55/6:05
C-6 F. Gontowski	7:00 / 7:56	8:25 / 8:38	10:23/11:58 12:29/1:00
C-7 ~~G. Chang~~ T. Allen	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:51 / 11:37	5:37 / 5:45	
C-10 C. Carrow	6:51 / 7:21	7:56 / 11:37	5:37/5:45
C-11 B. Mckim	6:25 / 9:18	9:43 / 5:30	
C-12 C. Mckim	6:35 / 5:31	/	
C-13 G. Reid	6:39 / 7:05	12:34 / [redacted] 1:00	5:50/5:52
C-14 N. Tracy	6:45 / 7:05	/	
C-15 G. Maichele	6:32 / 6:37	6:50 / 7:15	
C-16 S. Hunt	6:33 / 6:37	6:50 / 11:25	12:34
C-17 P. Smith	6:45 / 7:09	/	
C-18 R. Edwards	6:46 / 7:16	11:59 / 12:01	12:30/12:35 6:00/6:14
C-19 R. Bartles	6:51 / 7:21	5:37 / 5:45	
C-20	/	/	
E-1 G. Stiles	6:39 / 12:33	1:15 / 2:26	3:04/
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swann	7:00 / 7:46	9:07 / 12:33	[redacted] 1:00/5:05 5:51
E-5 T. Yashinski	6:52 / 12:17	12:44 /	
E-6 C. Bixby	8:01 / 3:24	3:47 / 4:44	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:30 / 1:35	/	
C/E-2	10:48 /	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:09	/	
S-4 T. Cobb	1:51 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 17, 1990

No./Name	Time In/Out	Time In/Out	Remarks
WPD	7:52/8:05		unlock T. Yashinskis car
B. Cryor	8:14/8:41		Hetzel Motors (see above)
J. McCallum	8:30/8:49	3:03/3:28	Rupp Rental
UPS	10:06/10:08		
Niagara Mohawk	10:35/11:38		
Shorts Oil Co.	11:21/12:15		
Charlie Baker	11:45/12:00	12:19/12:21 3:40/3:45	
Dev. Perkins S-5	11:50/3:18		Baker's
Boyd Green S-2	11:53/3:19		"
Dan Demming	1:13/1:48		
Tom Gowan	2:12/4:10		Beam Clean
Fed Ex	2:13/2:26		8pk delivery/4a pickup
UPS	4:07/4:11		2pk. pickup
Craig Brown	4:42/4:43		to see B McKim
Jeff Jordan	4:42/4:43		"
P Porter G Stiles C Swann	Still here		

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 17, 1990

No./Name		Time In/Out	Time In/Out	Remarks
A-2	D. Rall	6:32/12:08	12:51/5:27	OHM
A-3	M. Miller	6:32/12:08	12:51/5:27	"
A-4	T. Romine	6:50/12:07	12:53/1:00 1:46/5:27	"
A-5	R. Moyer	7:00/11:58	12:30/5:14	"
A-6	J. Facio	7:00/11:58	12:30/5:14	"
A-7	A. Gonzales	7:00/11:58	12:30/5:14	"
A-8	J. Lovewell	7:00/11:58	12:30/5:14	"
S-6	M. Kravitz	11:42/12:07	12:53/3:49	"
E-7	R. Crooks	7:00/11:55	12:36/3:58	Meyers
E-9	D. Tingue	7:00/11:55	12:36/3:58	Landscaping
C/E-7	K. Wells	7:00/7:14	7:28/10:20 10:57/2:16 2:39/5:40	GeoSystems
C/E-8	J. Parks	7:05/11:58	12:17/3:46	"
S-8	R. Parks	7:05/8:35/10:30/11:58	12:17/3:46	"
S-9	B. George	6:50/8:15	8:48/10:20 10:57/10:05 12:53/1:05 2:05/3:57	"
E-6	D. Simpadian			Ebasco
E-2	T. Clark	7:41/12:20	12:38/4:39	Re-Tech
E-10	B. Olszewski	7:41/12:09	12:32/4:49	"
C/E-2	R. Kephart	9:02/12:15	12:47/4:22	Empire Soils
C/E-3	D. Ludlow	9:02/12:15	12:47/4:40	"
C/E-4	J. Beyea	8:07/12:08	12:32/4:49	"
C/E-5	D. Fuller	8:07/12:08	12:32/4:49	"
C/E-6	D. Pawlowski	9:02/12:15	12:47/~~1:05~~ 4:40	"

PROJECT ENTRY PERMIT

DATE: 10-17-90 TIME IN: _____ TIME OUT: 8:10

NAME: P. Porter

COMPANY: Canon

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 16, 1990

Arrived at 6:55 a.m.
Plan of Day:

* Canonie
  * Lay filter fabric, spread pit run and extend haul road on East side.
  * Receive rip rap East and West.
  * Excavate toe trench, lay filter fabric, place bedding stone and rip rap East side.
  * Bedding stone and rip rap West side.
* OHM
  * Continue clearing SLA.
  * Unload materials.
* Empire Drilling
  * Commence drilling first hole.
  * Mobilize A.T.R.

Field Observations and Activities:

* Canonie continues to place bedding stone and rip rap on West dike with backhoe and front end loader - contractor cautioned against dumping rip rap on slope with loader.
* Continued reestablishing and extending haul road on East side using filter fabric and imported pit run. This is being done in response to rip rap truck complaints after a truck almost turned over in soft ground. EBASCO had been recommending haul road improvement as a necessity for timely job completion for several weeks.
* Excavated toe trench, placed filter fabric, bedding stone and rip rap on East side following establishment of a separation Dike and groin to divert river channel flow from toe trench. Contractor continues to spread out saturated silty gravel from toe trench excavation instead of piling to enhance gravity drainage.
* OHM continued clearing and chipping SLA - mobilized Komatsu dozer and leveled area of haul road.
* OHM dozer used for approximately 2 hours to haul water tank and trailer mounted drill rig to first hole location - Tom Clark (Retec) and Bill Olszewski supervising drilling and vane shear testing.
* Used OHM case backhoe from 4 to 4:45 p.m. to dig for pits for GeoTech (Proctor curve) sampling.
* Empire drilling mobilizing all terrain track mounted rig. Transporter broke enroute and will not arrive until tomorrow.
* Geo Systems Inc. assembling equipment in yard area.

Left site at 6:30 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
OCTOBER 16, 1990

Arrived at 6:15 a.m.
Plan of Day:
* Continue clean up E/B.
* Continue road repair E/B.
* Continue rip rap W/B.
* Dress slope (inside w/b)

OHM
* Continue clearing SLA.
* Unload equipment.

Empire
* Mobe to CELA.
* Drill holes.

Geo Systems
* Mobe equipment.

Doug Myers
* Complete layout SLA.
* Top off SLA.

Joe Genoves called he apologized for Monday and will be sending a track rig in today.

Kenny W. wick drain moved his hoe from Otis Eastern yard and unloaded equipment.

Duran told me that he will be leaving this evening around 4:00 pm - he thought that Chin Lee was coming out to replace him - but he wanted to know when I wanted him back, I told him we would need support, him and Vanu should figure that out.

Drill crew arrived at 10:00 am started mobilizing to CELA.

OHM had their D-6 and D-4 arrive and off loaded at 10:00 am.

Rocco called me about OHM's contract - I will discuss with Mark K on Wednesday and call him back.

Requested 5 copies of testfill, SLA relocation and dike extension information from Vanu, he will Fed-x them to me.

Empire drill crew called they had fire with their truck and would be in when they got it repaired, I told them the gate would be opened until 6:30 pm, but I would probably be here.

Tom Clark of ReTec asked abut work schedule of drillers. Their forman was with him - I told him that the gate opened at 6:00 am and closed at 6:30 pm, and we would man the job if they wanted more. The foreman asked who would pay the

overtime - I told him that I wasn't going to.

OHM's hoe arrived at 6:30 pm.

Duran left at 4:00 pm.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

OCT 24 1990

EBASCO / ARCO

DATE: 10-16-90 DAY: Tuesday HRS.WRK. 10 hr REPORT NO. 103

WEATHER INFORMATION:

TEMPERATURE: High 68 Low 40 WIND: Mph. - Dir. -

PRECIPITATION: None HUMIDITY: mod RIVER EL: AM - PM 5.48

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

Weather : 10-15-90
High : 65
Low : 37
Precipitation : None

	F.E/I	1	R.E. 1
	H&SO	1	P.E. 1
	C/SE		QCM 1
	P.M.		H&SO 1
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS			CANONIE SUB. Mr Surveyors
"			SUPV. 1 EMPS. 1
USCOE/EPA	3		SUB.
"			SUPV. EMPS.
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 7

Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5	8			
" 12G	8			
(Sheep)Compactor		Stand-by		
(Smooth) "	8			
Canonie Wtr. Trk		Offsite for Repairs		
Hertz Wtr.Trk	8			
(E. Bank) Cat 235	10			
Komatsu PC 200	10			
Generator / Steam Genny		Stand-by		
½ ton pickup	10			
Mechanic Trucks	11			

MEETINGS:

PLAN OF DAY E. Bank : Work on Toe Trench + Haul Road
W. Bank : Con't Work on Dike ; place Rip Rap + start to trim back slopes of Dike

SAFETY SCBA Check + Demonstration

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Act ID # 604 (Construct W. Bank Dike)
ID # 605 (Place W. Bank Rip Rap Protection)

EAST BANK - Act ID # 703 (Construct E. Bank Toe Trench)
- Haul Road
- Activity ID # 705 (Place E. Bank Rip Rap Protection)

RIVER (Any activity performed in water or gravel bar)
Toe Trench Excavation - E. Bank

OTHER

PAGE: _____ OF ___

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	378.6
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	1300
EXCAVATION			BEDDING MATRL	CY	66.4
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	W. Bank: 289.27 E. Bank: 155.56
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		▪ Geotextile used in Haul Road		625 sy
TOE TRENCH EXCAV.			▪		
CLEAN MATRL.	CY	438.5	▪		
WASTE MATRL.	CY		▪		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	~~CY~~	99.6 tons
PIT RUN FILL	CY	378.6	RIP-RAP MATRL.	TON	400.23
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.	240	Bags of mulch (12000 sy)

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS	1200		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
▪				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Set toe stakes 8 ¢ of trench E. Bank
- Shot grade on E. Bank Toe trench
- Set finish shoulder stakes W. Bank 0+00 - 3+00

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank 1	3+00	A-8	Rip Rap		X	
2	4+00	A-11	Erosion Control		X	
3	4+50	A-3	Toe Trench	excav.	X	
4	4+75	A-6	Geotextile			
5	6+00	A-7	Bedding			
6	6+75	A-8	Rip Rap			
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

CTH & SAFETY 10-16-90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	9, 1, 1, 1, 1	90, 9, 6, 2, 1
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1117	4+00	HNu	Real Time	0.5 ppm
2	1118	4+00	Miniram	RT	0.00 mg/m³
3	1119	4+00	CGI	RT	21.2% O_2 0% LEL
4	1531	9+00	HNu	RT	0.5 ppm
5	1532	5+00	Miniram	RT	0.00 mg/m³
6	1537	5+00	CGI	RT	20.9% O_2 0% LEL
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0915	East bank	7/trackhoe, dozer, loader	D	None
2	1115	West bank side	7/trackhoe, loader	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: ~~—~~ Emps. Out: ~~—~~

Equipment: In: ~~—~~ Out: ~~—~~

Venders Equipment: In: ~~—~~ Out: ~~—~~

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

G. Stiles opened Otis Eastern gate on CRZ October 16, 1990
fence to admit track hoe to site from Otis. G. Stiles
re-locked gate.
No further incidents or accidents to report today

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Peter Porter | CLIENT: ARCO | DATE: 10-16-90

CLIENT: Sinclair Refinery, Wellsville

~~REPS~~

JOB NO: 88-093

LOCATION OF WORK: E. Bank / W. Bank

ACTIVITY: - W. Bank -

Activity ID # 604 (construct W. Bank Dike)
- trim and shape radius at tie in to COE Dike Section D 604
- trim Bank slope on Dike 0+00 - 2+00 to conform with contract Drawings.

Activity ID # 605 (Place W. Bank Rip Rap Protection)
- Placed Rip Rap on Bedding stone to final grade sta 0+00 to sta 8+00.
- Worked Rip Rap in place to meet final acceptance from sta 0+00 - sta 5+00
- Placed and worked Rip Rap in place on transition between Canonie Dike and COE Dike North of sta 0+00 on outside of Dike.

- E. Bank -

Activity ID # 703 (Construct E. Bank Toe Trench)
- excavation complete 5+75 - 4+00
- Geotextile sta 6+40 - sta 4+40
- Bedding sta 6+75 - sta 5+00
See inspection sheets for details

Activity ID # 705 (Place E. Bank Rip Rap Protection)
- Rip Rap placed in toe trench sta 7+25 - sta 6+50
- Rip Rap was tested by sounding with the cat 235 toe bucket.

OTHER: Haul Road - Started Haul road at sta 5+00 with a Geotextile mat. Haul road complete to Sta 8+75

F-941

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10-16-90

RIP RAP W. Bank

	ACCEPT	REJECT	N.A.
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 0+00 TO 8+00

5. REMARKS Placed Rip Rap to final grade elevation. Worked Rip Rap in place to meet final acceptance from sta 0+00 to sta 5+00

INSPECTOR [signature] DATE 10-12-90

REVIEWED BY [signature] DATE 10.24

FORM A-11
SHEET ____ OF ____
INSPECTION DATE 10-16-90

EROSION AND SEDIMENT CONTROL E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		
2. PLACEMENT			
- SILT FENCES, HAY BALES AND OTHER EROSION CONTROL MEASURES ARE INSTALLED AS SHOWN ON CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	X		

3. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES.

DIKE STATION 5+00 TO 3+50

OTHER _____

4. REMARKS Installed Erosion Control prior to excavation in the trench.

INSPECTOR Peter J Pott DATE 10-17-90

REVIEWED BY MM DATE 10-24

FORM A-3
SHEET ____ OF ____

EXCAVATION FOR ~~KEY TRENCH~~/
TOE PROTECTION TRENCH E. Bank

INSPECTION DATE 10-16-90

	ACCEPT	REJECT	N/A
1. VERIFICATION INSPECTION			
- EXCAVATION IS MONITORED AND SAMPLED AS PER SAMPLING AND ANALYSIS PLAN.	X		
- LOCATION, ALIGNMENT, CONFIGURATION AND DIMENSIONS CONFORM WITH THE CONTRACT DRAWINGS.	X		
- BOTTOM OF KEY TRENCH OR TOE PROTECTION TRENCH (WHERE IT IS VISIBLE) FREE OF ORGANIC MATERIALS.	X		

2. DUST CONTROL

ACTION TAKEN _____

3. KEY TRENCH/TOE PROTECTION TRENCH LOCATION

DIKE STATION 5+75 TO 4+00

4. REMARKS Excavation was verified by the surveyors prior to placement of any materials.

INSPECTOR _____ DATE 10-17-90

REVIEWED BY _____ DATE 10-24

FORM A-6
SHEET ____ OF ____
INSPECTION DATE 10-16-90

GEOTEXTILE

E. Cook

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 6+40 TO 41+40

5. REMARKS Geotextile was bound together with pig rings to verify 18" - 24" overlap.

INSPECTOR [signature] DATE 10-12-90

REVIEWED BY [signature] DATE 10.24

FORM A-7
SHEET ____ OF ____
INSPECTION DATE 10-16-90

BEDDING

E. Bak

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. BEDDING LOCATION

DIKE STATION 6+75 TO 5+00

5. REMARKS Bedding stone thickness was checked by the surveyors or by probing.

INSPECTOR _____ DATE 10-12-90

REVIEWED BY _____ DATE 10.24

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 10-16-90

RIP RAP E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3,-0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 7+25 TO 6+50

5. REMARKS Rip Rap placed in the trench was tested by sounding with the cat 235 hoe bucket for the proper thickness

INSPECTOR Robert Scott DATE 10-17-90

REVIEWED BY [signature] DATE 10-24

[redacted] West bank [redacted] [redacted] [redacted]

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 10-16-90

Work Areas Checked: East bank
west bank dike.

Employees Present in Work Areas: G. Reid, G. Manuele, B. McKim, C. McKim, S. Hunt, P. Smith, N. Tracy, T. Allen, R Edwards, P. Porter, D. DeKker, A. Molerlile, F. Gontowski, K. Ettinger

Equipment Being Utilized:
2 Truckhoes, 2 loaders, dozer, Grater, Roller

PPE Being Utilized: level D

Accidents/Breeches of Procedures: None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 10-16-90

Equipment: HNu, CGI, Miniram

Real-Time Air Monitoring Results and Work Area

No levels above background/normal found in west bank dike work areas today.

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene
CGI = 15% O_2, 50% LEL
Miniram = Zero-bag for zeroing

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 16 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:42 / 7:26	10:18 / 12:25	1:00/1:16 2:31/3:32 4:35/6:09 6:27/6:30
C-2 L. Dekker	6:42 / 7:26	10:18 / 11:57	12:51/6:30
C-3 P. Porter	6:55 / 12:23	12:37 / 6:24	
C-4 A. Muellerleile	7:09 / 12:25	1:00 / 2:43	3:34/6:10
C-5 C. Ettinger	6:50 / 8:37	10:50 / 11:32	2:48/3:52 5:35/5:44
C-6 F. Gontowski	7:56 / 7:28	10:16 / 12:25	1:00/3:14 3:34/6:10
C-7 ~~C. Chang~~ T. Adel	7:03 / 7:25	10:34 / 11:39	12:03/12:05 D 30/12:44 2:32/2:57 3:32/3:5:31/5:40
C-8 J. App	/	/	
C-9 G. Lazusky	6:51 / 8:02	1:21 / 5:12	5:27/5:35
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:36 / 8:25	8:34 / 8:52	9:36/10:55 11:35/12:34 1:17/3:54 4:31/5:35
C-12 C. Mckim	6:40 / 7:15	5:32 / 5:34	
C-13 G. Reid	6:40 / 7:15	2:35/2:41	2:42/2:49 5:32/5:34
C-14 N. Tracy	6:45 / 7:15	/	
C-15 G. Maichele	7:29 / 7:31	6:50 / 7:15	2:35/2:41 2:42/2:49 6:06/6:09
C-16 S. Hunt	7:29 / 7:31	6:50 / 12:11	12:36/12:42 12:49/5:31
C-17 P. Smith	6:45 / 7:16	/	
C-18 R. Edwards	6:51 / 7:25	10:34 / 11:39	12:03/12:07 2:37/2:57 5:31/5:40
C-19 R. Bartles	6:51 / 8:02	5:27 / 5:35	
C-20	/	/	
E-1 G. Stiles	7:32 / 10:30	11:31 / 12:00	12:22/
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. Swann	6:55 / 8:00	9:02 / 11:55	12:22/3:52 4:00/6:24
E-5 T. Yashinski	6:45 / 11:57	12:29 /	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:35 / 11:30	/	
C/E-2 P. Colon-Gamboy	10:00 / 12:15	12:58 / 3:14	
C/E-3 M. Hrywnak	11:25 / 12:15	12:58 / 3:14	
C/E-4	/	/	
S-1 Jon Palmer	10:42 / 11:00	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 12:00	/	
S-4 T. Cobb	11:43 / 11:44	1:50 / 6:30	
S-5 A. Fox	3:40 / 3:52	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 16, 1990

No./Name		Time In/Out	Time In/Out	Remarks
A-4 Fred Osmond	62	8:10/8:20	11:55/12:05	General Crushed Stone
A-5 Frank Charland	64	8:20/8:25	12:20/12:27	"
A-9 Don Brandow	61	8:27/8:34	12:20/12:27	"
A-10 Ron Salzman	65	8:28/8:35		"
A-3 Ray Charland	63	8:38/8:46	12:51/1:00	"
E-8 Jim Coombs	66	8:38/8:46	12:51/1:00	"
J. Sanderson		8:28/10:09		G.G. Paulson Trucking
E-9 Marc Warrington		8:42/8:52		Mills' Transport
Charlie Baker		9:27/10:11	4:28/4:31	
Boyd Green Jr.		9:10/9:16	10:12/10:17	
UPS		10:10/10:13		
Shorts Oil Co.		10:29/10:52		
Deans Septic Service		10:45/11:09		
J. McCallum		10:50/11:10		Rupp Rental
Culligan water		11:00/11:19		
G. Mancini		11:10/11:21		Rupp Rental
~~Hargerin~~ trucking		2:05/2:42		240 kg m 4/ch
~~UPS~~ Fed Ex		2:10/2:16		8pc. delivery
UPS.		4:01/4:04		2pc. pickup
Bruce George		4:40/4:43		looking for K. wells
~~DEKKER~~				
~~L DEKKER~~				
G. Stiles		Still working		
T. Yashinski				

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: October 16, 1990

No./Name		Time In/Out	Time In/Out	Remarks
D. Rall	A-6	6:55/10:08	10:36/12:02 12:31/5:10 6:29	OHM Corp.
T. Romine	A-7	6:29/1:57	3:08/5:10	"
A. Gonzales	A-9	6:29/12:02/12:48 1:30/5:10		"
R. Meyer	A-2	6:55/12:02/12:48 1:30/5:05		"
J. Facio	A-4	6:55/12:02/12:48 1:30/5:05		"
J. Lovewell	A-3	6:55/12:02/12:48 1:30/5:05		"
M. Miller	A-5	6:55/10:08	10:36/12:02 12:31/5:10	"
D. Tingue	E-9	6:56/11:58	12:31/3:58	Meyers
R. Crooks	E-7	6:56/11:58	12:31/3:58	Landscaping
D. Simpadian	E-6	7:12/12:15	12:42/3:53 4:00/4:05	Ebasco
K. Wells	C/E-7	6:56/8:06	8:24/8:27 8:34/12:00 3:17/4:15	Geo-Systems
J. Parks	C/E-8	7:23/12:00	12:15/4:00	"
R. Parks	S-9	7:23/8:06	8:24/8:27 8:34/12:00 12:15/4:15	"
T. Clark	E-2	8:27/12:35	12:58/5:06	Re-Tech
B. Olszewski	E-10	8:27/12:35	12:58/5:54	"
R. Kephart	C/E-2			Empire Soils
D. Ludlow	C/E-3			"
J. Beyea	C/E-4	11:00/11:45	12:00/12:18 12:34/4:36	"
D. Fuller	C/E-5	11:00/11:45	12:04/12:18 12:34/4:36	"
M. Gaudy		11:55/12:18	12:34/6:19	"
Rupp		6:36/		delivery of bucket

PROJECT ENTRY PERMIT

DATE: 10-15-90 TIME IN: — TIME OUT: 7:05 PM

NAME: P. Porter

COMPANY: Canonic

BADGE No: C-3

Must Be Turned Into Security Within First 2hrs Of Next Work Day

Canonie

By ESG Date 8/15/90 Subject Density Test Results Sheet No. 2 of

Chkd. By Date Proj. No. 86-033

Test No.	6	7	8	9	10	11
Location	Sta. 19+00 ℄	Sta. 20+75 R	Sta. 18+40 R	Sta. 21+00 R	Sta. 18+00 R	Sta. 15+50 R
WD (pcf)	132.2	124.8	124.6	123.1	123.7	122.7
Method	SC	N	N	N	N	N
% M	27.3	27.2	25.5	25.9	26.4	27.2
Method	S	O	O	O	O	S
DD (pcf)	103.9	98.1	99.3	97.8	99.5	96.5
Date	8/16/90	8/17/90	8/17/90	8/18/90	8/18/90	8/18/90
Time	19:05	17:27	18:00	9:54	12:15	13:05
Elev. (Ft.)	1502.6	1503.7	1503.3	1501.6	1501.1	1498.9
Proctor Value (pcf)	100.1	100.1	100.1	95.6	100.1	95.6
Proctor #	#6	#6	#6	TP-1	#6	TP-1
Opt. Moist (%)	24.8	24.8	24.8	27.3	24.8	27.3
% Proctor	103.8	98.0	99.2	102.3	99.4	100.9

Note: S = Sand
O = Other
N = Nuclear
SC = Sand Cone

1/4" X 1/4"

Canonie

By EJG Date 8/18/90 Subject Density Test Results Sheet No. 3 of

Chkd. By Date Proj. No. 88-093

Test No.	12	13	14	15	16
Location	Sta. 19+00 R	Sta. 19+00 R	Sta. 19+00 R	Sta. 13+60 ℄	Sta. 10+00 L
WD (pcf)	121.2	124.1	127.1	128.9	121.3
Method	SC	N	T R=9"/12" Test 3"-7 5/16"	N	N
% M	25.3	25.3	24.4	27.2	26.8
Method	O	O	O	O	O
DD (pcf)	96.7	99.0	102.1	101.3	95.7
Date	8/25/90	8/25/90	8/25/90	8/27/90	8/30/90
Time	9:30	9:30	10:20	17:20	17:43
Elev. (Ft)	1502.4	1502.4	1502.6	1496.2	1496.2
Proctor Value (pcf)	96.6	96.6	100.1	100.1	100.1
Proctor #	#5	#5	#6	#6	#6
Opt. Moist. (%)	24.7	24.7	24.8	24.8	24.8
% Proctor	100.1	102.5	102.0	101.2	95.6

Note: S = Speedy O = Oven N = Nuclear SC = Sand Cone T = Tube Density

1/4" X 1/4"

Canonie

By EMG Date 8/31/90 Subject Density Test Results Sheet No. 4 of

Chkd. By Date Proj. No. 88-093

Test No.	(17)	(18)	(19)	(20)	(21)	(22)	(23)
Location	Sta. 13+00 ℄	Sta. 11+25 ℄	Sta. 9+25 Left Edge	Sta. 12+75 Left Edge	Sta. 18+15 ℄ Basset Fill	Sta. 19+10 ℄ Basset Fill	Sta. 20+20 ℄ Basset Fill
WD (pcf)	121.1	121.9	122.0	121.4	139.8	141.3	139.1
Method	N	N	N	N	N	N	N
% M	28.3	28.3	26.0	25.6	10.4	10.1	10.0
Method	O	O	O	O	O	N	O
DD (pcf)	94.4	95.0	96.8	96.7	126.6	128.3	126.5
Date	8/30/90	8/31/90	9/4/90	9/4/90	9/12/90	9/12/90	9/12/90
Time	18:40	14:45	17:05	17:40	13:55	17:45	18:00
Elev. (Ft)	1494.3	1492.2	1496.6	1493.9	1505.1	1505.3	1506.7
Proctor Value (pcf)	96.6	100.1	100.1	96.6	126.5	128.2	128.2
Proctor**	5	6	6	5	TP-2	TP-1	TP-1
Opt. Moist. (%)	24.7	24.8	24.8	24.7	10.5	10.6	10.6
% Proctor	97.7	94.9	96.7	100.1	100.1	100.1	98.7

Note: S = Speedy SC = Sand Cone
O = Oven T = Tube Density
N = Nuclear

1/4" X 1/4"

Camonie

By EJG Date 9/18/90 Subject Density Test Results Sheet No. 5 of

Chkd. By Date Proj. No. 88-093

Test No.	24	25	26	27	28	29
Location	Sta. 13+30 R Underman Clay	Sta. 14+25 R Babbit Fill	Sta. 16+00 R Babbit Fill	Sta. 14+55 L Babbit Fill	Sta. 13+25 L Babbit Fill	Sta. 11+40 L
WD (pcf)	120.9	136.2	141.8	142.0	141.2	120.8
Method	SC	SC	SC	N	N	N
% M	24.5	10.2	10.2	10.8	10.8	29.4
Method	O	O	O	N	N	O
DD (pcf)	97.1	123.6	128.7	128.2	127.4	93.4
Date	9/13/90	9/13/90	9/13/90	9/14/90	9/14/90	9/14/90
Time	17:10	17:50	18:20	15:25	15:40	15:50
Elev. (Ft)	1498.7	1501.6	1503.8	1503.4	1501.4	1497.6
Proctor Value (pcf)	96.6	125.5	128.2	128.2	128.2	96.6
Proctor #	# 5	TP-4	TP-1	TP-1	TP-1	#5
Opt. Moist. (%)	24.7	10.5	10.6	10.6	10.6	24.7
% Proctor	100.5	98.5	100.4	100.0	99.4	96.7

Note: S = Speedy O = Oven N = Nuclear SC = Sand Cone T = Tube Density

1/4" X 1/4"

Canonie

By EJG Date 9/13/90 Subject Density Test Results Sheet No. 6 of

Chkd. By Date Proj. No. 88-093

Test No.	(30)	(31)	(32)	(33)	(34)	(35)
Location	Sta. 2+40 Lower Bench Babbit	Sta. 1+70 L Babbit	Sta. 3+50 L Babbit	Sta. 4+20 ℄ Babbit	Sta. 6+50 L Babbit	Sta. 6+10 L Babbit
WD (pcf)	139.6	140.9	141.7	140.9	139.2	138.3
Method	N	N	N	N	N	N
% M	9.1	9.9	10.7	10.8	11.7	11.0
Method	N	N	N	N	O	O
DD (pcf)	128.0	128.2	128.0	127.2	124.6	124.6
Date	9/14/90	9/18/90	9/18/90	9/21/90	9/21/90	9/25/90
Time	16:15	16:44	17:27	16:40	16:50	16:25
Elev. (Ft)	1493.1	1496.4	1498.5	1499.8	1498.8	1500.6
Proctor Value (pcf)	128.2	128.2	128.2	128.2	126.5	125.5
Proctor*	TP-1	TP-1	TP-1	TP-1	TP-2	TP-4
Opt. Moist. (%)	10.6	10.6	10.6	10.6	10.5	10.5
% Proctor	99.8	100.0	99.8	99.2	98.5	99.3

Note: S = Speedy O = Oven N = Nuclear SC = Sand Cone T = Tube Density

1/4" X 1/4"

Canonie

By _____ Date _____ Subject Density Test Results Sheet No. 7 of _____

Chkd. By _____ Date _____ Proj. No. 88-093

1/4" X 1/4"

Test No.	(36)	(37)	(38)	(39)	(40)
Location	Sta. 8+50 R Berm	Sta. 5+90 L Babbit	Sta. 6+75 L Babbit	Sta. 10+25 L Babbit	Sta. 11+75 L Babbit
WD(pcf)	137.5	141.6	140.0	138.8	138.2
Method	N	N	N	N	N
% M	10.2	10.2	10.3	9.8	10.6
Method	O	N	O	O	O
DD(pcf)	124.8	129.5	126.9	126.4	125.0
Date	9/25/90	9/26/90	9/26/90	9/27/90	9/27/90
Time	16:50	17:15	17:27	17:15	17:50
Elev.(Ft.)	1500.6	1501.2	1501.4	1502.0	1502.1
Proctor Value(pcf)	125.5	128.2	126.5	128.2	125.5
Proctor #	TP-4	TP-1	TP-2	TP-1	TP-4
Opt. Moist.(%)	10.5	10.6	10.5	10.6	10.5
% Proctor	99.4	100.2	100.3	98.6	99.6

Note: S=Speedy N=Nuclear T=Tube Density
O=Oven SC=Sand Cone

Canonie

By _____ Date _____ Subject Density Test Results _____ Sheet No. 8 of _____

Chkd. By _____ Date _____ Proj. No. 88-093

1/4" X 1/4"

Test No.	(41)	(42)	(43)	(44)	(45)	(46)
Location	Sta. 2+00 ℄ Babbit	Sta. 3+75 ℄ Babbit	Sta. 0+40 R Babbit	Sta. 18+40 L Babbit	Sta. 0+50 R Babbit	Sta. 1+70 ℄ Babbit
WD(pcf)	146.0	139.1	136.1	140.8	134.5	140.9
Method	SC	SC	N	N	N	N
% M	10.9	11.3	9.4	9.1	9.9/9.8	9.1/9.6
Method	O	O	N	N	N/O	N/O
DD(pcf)	131.7	125.0	124.4	129.1	122.4	129.2
Date	9/28/90	9/28/90	10/1/90	10/1/90	10/2/90	10/2/90
Time	14:10	13:50	15:42	17:30	16:22	17:00
Elev.(Ft.)	1500.6	1500.5	1500.1	1503.9	1503.0	1503.0
Proctor Value(pcf)	128.2	126.5	127.3	128.2	125.5	128.2
Proctor #	TP-1	TP-2	TP-3	TP-1	TP-4	TP-1
Opt. Moist.(%)	10.6	10.5	11.1	10.6	10.5	10.6
% Proctor	102.7	98.8	97.7	100.7	97.5	100.8

Note: S=Speedy N=Nuclear T=Tube Density
O=Oven SC=Sand Cone

Canonie

By _____ Date _____ Subject Density Test Results Sheet No. 9 of _____

Chkd. By _____ Date _____ Proj. No. 88-093

1/4" X 1/4"

Test No.	(47)	(48)	(49)	(50)	(51)	(52)
Location	Sta. 10+20 R Babbit	Sta. 12+75 R Babbit	Sta. 13+30 R Babbit	Sta. 6+25 & Babbit	Sta. 7+25 & Babbit	Sta. 8+25 & Babbit
WD(pcf)	140.8	139.0	138.4	139.8	143.6	141.6
Method	N	N	N	N	N	N
% M	9.1/9.9	9.2/10.0	9.5/9.8	10.1	9.8	9.3/10.4
Method	N/O	N/O	N/O	N	N	N/O
DD(pcf)	129.1	127.3	126.4	127.0	130.8	129.6
Date	10/3/90	10/5/90	10/5/90	10/6/90	10/6/90	10/6/90
Time	16:40	17:30	17:45	17:40	17:50	18:00
Elev.(Ft.)	1503.1	1502.8	1502.9	1504.3	1503.9	1504.2
Proctor Value(pcf)	128.2	128.2	128.2	127.3	128.2	128.2
Proctor #	TP-1	TP-1	TP-1	TP-3	TP-1	TP-1
Opt. Moist.(%)	10.6	10.6	10.6	11.1	10.6	10.6
% Proctor	100.7	99.3	98.6	99.8	102.0	101.1

Note: S=Speedy N=Nuclear T=Tube Density
O=Oven SC=Sand Cone

Canonie

By _____ Date _____ Subject Density Test Results Sheet No. 10 of _____

Chkd. By _____ Date _____ Proj. No. 88-093

1/4" X 1/4"

Test No.	(53)	(54)	(55)	(39)
Location	Sta. 11+50 ℄	Sta. 14+15 ℄	Sta. 4+00 L	Sta. 20+00 L
WD (pcf)	142.0	141.6	140.5	141.5
Method	N	N	N	N
% M	8.0	8.6	9.0	11.1
Method	N	N	N	N
DD (pcf)	130.8	130.4	128.9	127.4
Date	10/8/90	10/16/90	10/25/90	10/26/90
Time	17:10	17:20	17:30	14:05
Elev. (Ft.)	Orig. FG	Orig. FG	Mod. FG	Mod. FG
Proctor Value (pcf)	128.2	128.2	128.2	128.2
Proctor #	TP-1	TP-1	TP-1	TP-1
Opt. Moist. (%)	10.0	10.6	10.0	10.6
% Proctor	102.0	101.7	100.6	99.4

Note: S=Speedy N=Nuclear T=Tube Density
O=Oven SC=Sand Cone

Canonie

By FJG Date ____ Subject % < # 200 Sieve Data ____ Sheet No. A of ____

Chkd. By ____ Date ____ Partial River Channelization Proj. No. 88-093

1/4" X 1/4"

Sample #	G-1	G-2	G-3 (12)	G-4 (14)	G-5 (16)	G-6 (17)	G-7 (18)
Location	Sta. 16+00 R	Sta. 18+00 R	Sta. 19+00 R El. 1502.4	Sta. 19+00 R El. 1502.4	Sta. 10+00 L El. 1496.2	Sta. 13+00 ℄ El. 1494.3	Sta. 11+25 ℄ El. 1497.2
Date	8/21/90	8/25/90	8/31/90	8/31/90	9/5/90	9/5/90	9/11/90
Tare #	(4)	(4)	(2)	(3)	(1)	(4)	(7)
Tare Wt. (g)	88.3	88.3	88.4	90.0	90.5	88.3	13.2
Wet Soil + Tare (g)	500.8	410.3	376.1	363.2	293.8	266.0	255.2
Dry Soil + Tare (g)	412.8	342.3	319.7	308.1	250.9	226.8	201.9
Moisture (%)	27.1	26.8	24.4	25.3	26.8	28.3	28.3
Dry Soil + Tare (g) After Washing	88.4	92.8g	100.8	97.0	91.4	90.0	18.9
% < # 200 Sieve (%)	99.97	98.2	95.0	96.8	99.4	98.8	97.0

Canonie

By FJG Date ____ Subject % < # 200 Sieve Data ____ Sheet No. B of ____

Chkd. By ____ Date ____ Proj. No. 88-093 Partial River Channelization

1/4" X 1/4"

Sample #	G-8 (20)	G-9 (21)	G-10 (23)	G-11 (24)	G-12 (25)	G-13	G-14 (26)
Location	Sta. 12+75 Far Left El. 1493.9	Sta. 19+18 ℄	Sta. 20+20 ℄	Sta. 13+30 R	Sta. 14+25 R	Babbit Stockpile Prior To Any Trucking Operations	Sta. 13+25 L
Date	9/11/90	9/17/90	9/17/90	9/17/90	9/17/90	9/17/90	9/21/90
Tare #	(2)	(3)	(1)	(2)	(A)	(C) (5) (8)	(E)
Tare Wt. (g)	88.4	90.0	90.5	88.4	87.7	13.4 13.3 13.2	87.8
Wet Soil + Tare (g)	368.9	737.8	835.7	515.1	805.0	795.3 698.0 731.3	718.3
Dry Soil + Tare (g)	311.7	677.0	767.8	431.2	738.6	734.7 638.2 672.8	653.4
Moisture (%)	25.6	10.4	10.0	24.5	10.2	8.4 9.6 10.1	11.5
Dry Soil + Tare (g) After Washing	89.3	390.1	450.8	126.4	446.2	407.2 358.0 355.4	409.5
% < # 200 Sieve (%)	99.6	48.9	46.8	88.9	44.9	45.4 44.8 48.1	43.1
		Babbit Fill	Babbit Fill		Babbit Fill	Babbit Fill (Full Gradation Perf.)	Babbit Fill

CanonieEnvironmental

By EJG Date _____ Subject % < # 200 Sieve Sheet No. 6 of _____

Chkd. By _____ Date _____ PARTIAL RIVER CHANNELIZATION Proj. No. 28-093

1/4" X 1/4"

Sample #	G-15 (29)	G-16 (34)	G-17 (35)	G-18 (36)	G-19 (38)	G-20 (39)	G-21 (40)	G-22 (41)
Location	STA. 11+40 L	STA. 6+50 L	STA. 6+10 L	STA. 8+50 R	STA. 6+75 L	STA. 10+25 L	STA. 11+75 L	STA. 2+00 ℄
Date	9/21/90	10/11/90	10/11/90	10/11/90	10/11/90	10/11/90	10/11/90	10/11/90
Tare #	D	3	C	2	E	A	B	4
Tare Wt. (g)	87.96	90.0	87.9	88.4	87.8	87.7	87.6	88.3
Wet Soil + Tare (g)	406.3	444.6	710.9	734.6	1047.4	998.6	1131.4	792.5
Dry Soil + Tare (g)	333.9	407.4	649.0	674.9	957.8	917.3	1031.2	723.6
Moisture (%)	29.4	11.7	11.0	10.2	10.3	9.8	10.6	10.9
Dry Soil + Tare (g) After Washing	93.7	248.0	390.3	420.2	551.6	581.0	600.8	423.5
% < # 200 Sieve (%)	97.6	50.2	46.1	43.4	46.7	40.5	45.6	47.2

CanonieEnvironmental

By EJG Date _____ Subject % < # 200 Sieve Sheet No. 5 of _____

Chkd. By _____ Date _____ Partial River Channelization Proj. No. 28-093

1/4" X 1/4"

Sample #	G-23 (42)	G-24 (45)	G-25 (46)	G-26 (47)	G-27 (48)	G-28 (49)	G-29 (52)
Location	STA. 5+75 ℄	STA. 0+30 R	STA. 1+70 ℄	STA. 10+20 R	STA. 12+75 R	STA. 13+30 R	STA. 8+25 ℄
Date	10/11/90	10/31/90	10/31/90	11/2/90	11/2/90	11/8/90	11/9/90
Tare #	(1)	(4)	(3)	(2)	(A)	(E)	(B)
Tare Wt. (g)	90.5	88.3	90.0	88.4	87.7	87.8	87.6
Wet Soil + Tare (g)	893.8	993.4	826.7	951.6	1216.3	1132.3	1223.7
Dry Soil + Tare (g)	822.7	913.0	761.9	873.8	1113.4	1059.3	1116.6
Moisture (%)	11.3	9.8	9.6	9.9	10.0	9.8	10.4
Dry Soil + Tare (g) After Washing	509.2	540.9	435.0	483.3	655.1	646.6	608.2
% < # 200 Sieve (%)	42.6	45.1	48.5	50.4	44.7	41.3	49.4

BB

COMPACTION TEST

Data Sheet 10

Project SINCLAIR REFINERY Job No. 88-093

Location of Project WELLSVILLE, NY Boring No. — Sample No. —

Description of Soil UNGERMAN CLAY - STA. 116+50 L - EL. 1502.11

Test Performed By EJG Date of Test 9/20/90

Blows/Layer 25 No. of Layers 3 Wt. of Hammer 5.5#

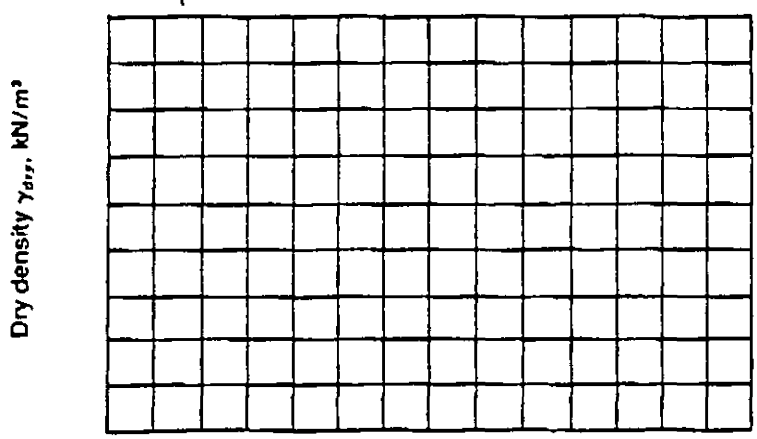
Mold dimensions: Diam. 4" Ht. _____ cm Vol. 1/30 CF

Water Content Determination

Sample no.	1	2	3	4	5	6
Moisture can no.	(2)	(2)	(3)	(1)		
Wt. of can + wet soil	370.6	313.0	308.1	358.1		
Wt. of can − dry soil	314.8	258.6	269.1	302.9		
Wt. of water	55.8	54.4	39.0	55.2		
Wt. of can	88.4	88.4	90.0	90.5		
Wt. of dry soil	226.4	170.2	179.1	212.4		
Water content, w%	24.7	33.1	21.8	26.0		

Density Determination

Assumed water content	25	33	20	26		
Water content, w%	24.7	33.1	21.8	26.0		
Wt of soil + mold	6095	6038	6022	6087		
Wt. of mold	4274	4274	4274	4274		
Wt. of soil in mold, g	1821	1764	1748	1808		
Wet density, kN/m³	120.4pcf	116.7	115.6	119.6		
Dry density γ, kN/m³	96.6pcf	87.7	94.9	94.9		



Optimum moisture = — % Maximum dry density = — kN/m³

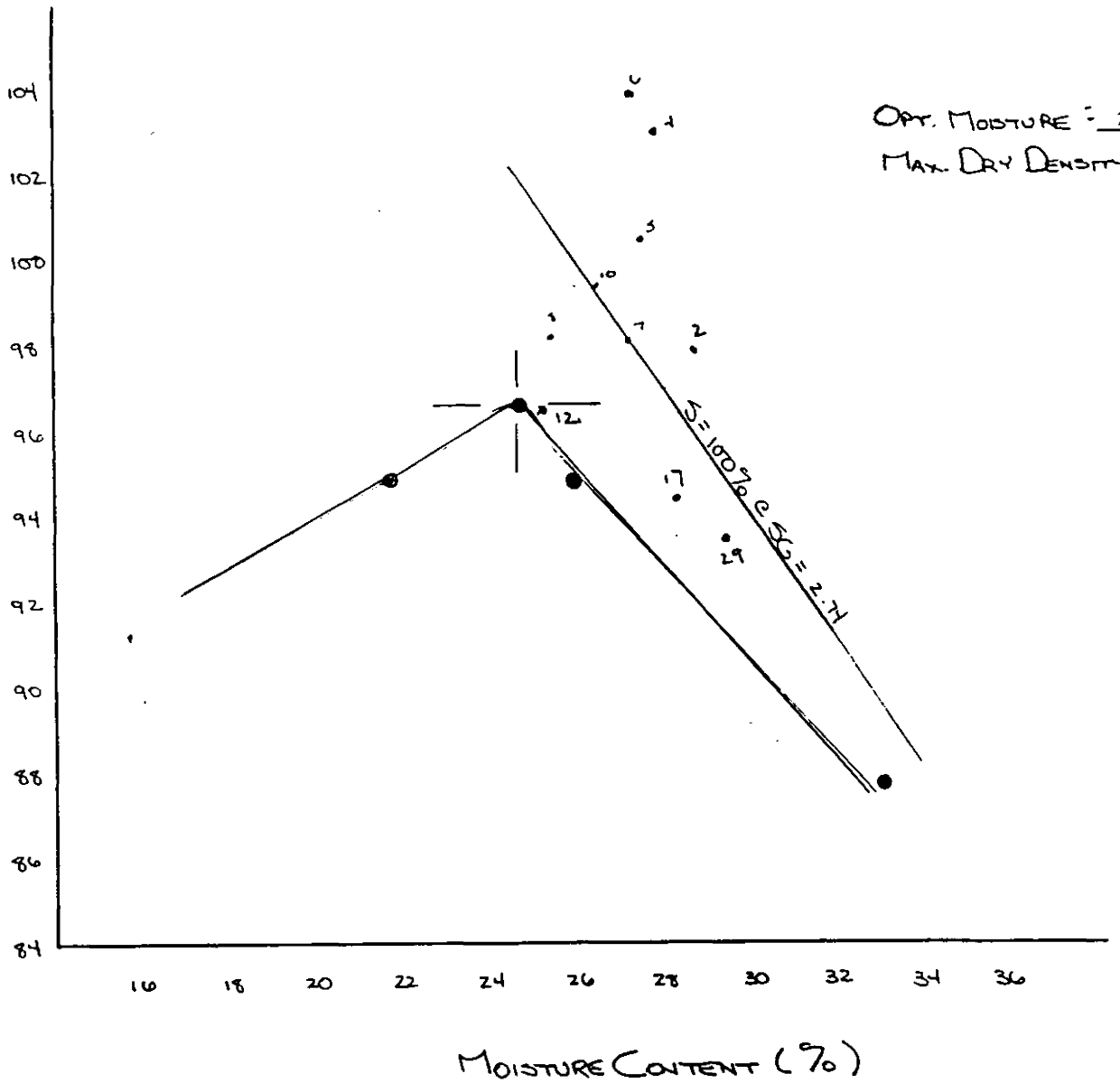
(AA)

Canonie

By EJG Date 8/22/90 Subject PROCTOR CURVE # 5 Sheet No. 1 of 1

Chkd. By ____ Date ____ PARTIAL RIVER CHANNELIZATION PROJ. Proj. No. 88-093

1/4" X 1/4"



LOCATION : STA. 160+50L

ELEV. : 1502.1

IN-SITU MOISTURE : 24.7 %

DD

COMPACTION TEST

Data Sheet 10

Project SINCLAIR REFINERY Job No. 88-093

Location of Project WOLCOTTVILLE, NY Boring No. — Sample No. 10

Description of Soil UNGERMAN CLAY

Test Performed By FJG Date of Test 8/2000

Blows/Layer STD. No. of Layers _____ Wt. of Hammer 5.5 ~~lb~~ #

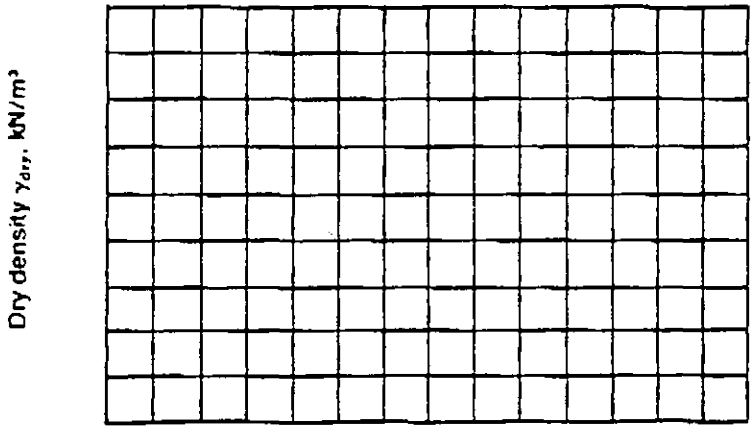
Mold dimensions: Diam. 4" ~~cm~~ Ht. _____ cm Vol. .030 CF ~~cm³~~

Water Content Determination

Sample no.	1	2	3	4	5	6
Moisture can no.	(3)	(3)	(2)	(4)	(5)	(1)
Wt. of can + wet soil	286.9	336	512.2	410.3	436.3	337.2
Wt. of can – dry soil	248.0	287.2	441.2	342.3	399.4	283.5
Wt. of water	38.9	48.8	71.0	68.0	39.9	53.7
Wt. of can	90.0	90.0	88.4	88.3	90.0	90.5
Wt. of dry soil	158.0	197.2	352.8	254.0	309.4	193.0
Water content, w%	24.6	24.8	20.1	26.8	12.9	27.8

Density Determination

Assumed water content						
Water content, w%	24.6	24.8	20.1	26.8	12.9	27.8
Wt. of soil + mold	6151 g	6143	5993	6126	5833	6095
Wt. of mold	4274 g	~~4247~~ 4274	4274	4274	4274	4274
Wt. of soil in mold, g	1877 g	~~1896~~ 1889	1719	1852	1559	1821
Wet density, kN/m³	124.1	~~123.6~~ 124.9	113.7	122.5	103.1	120.4
Dry density γ, kN/m³	99.6	~~99.1~~ 100.1	94.8	96.6	91.3	94.2



Optimum moisture = _____ % Maximum dry density = _____ kN/m³

(CC)

Canonie

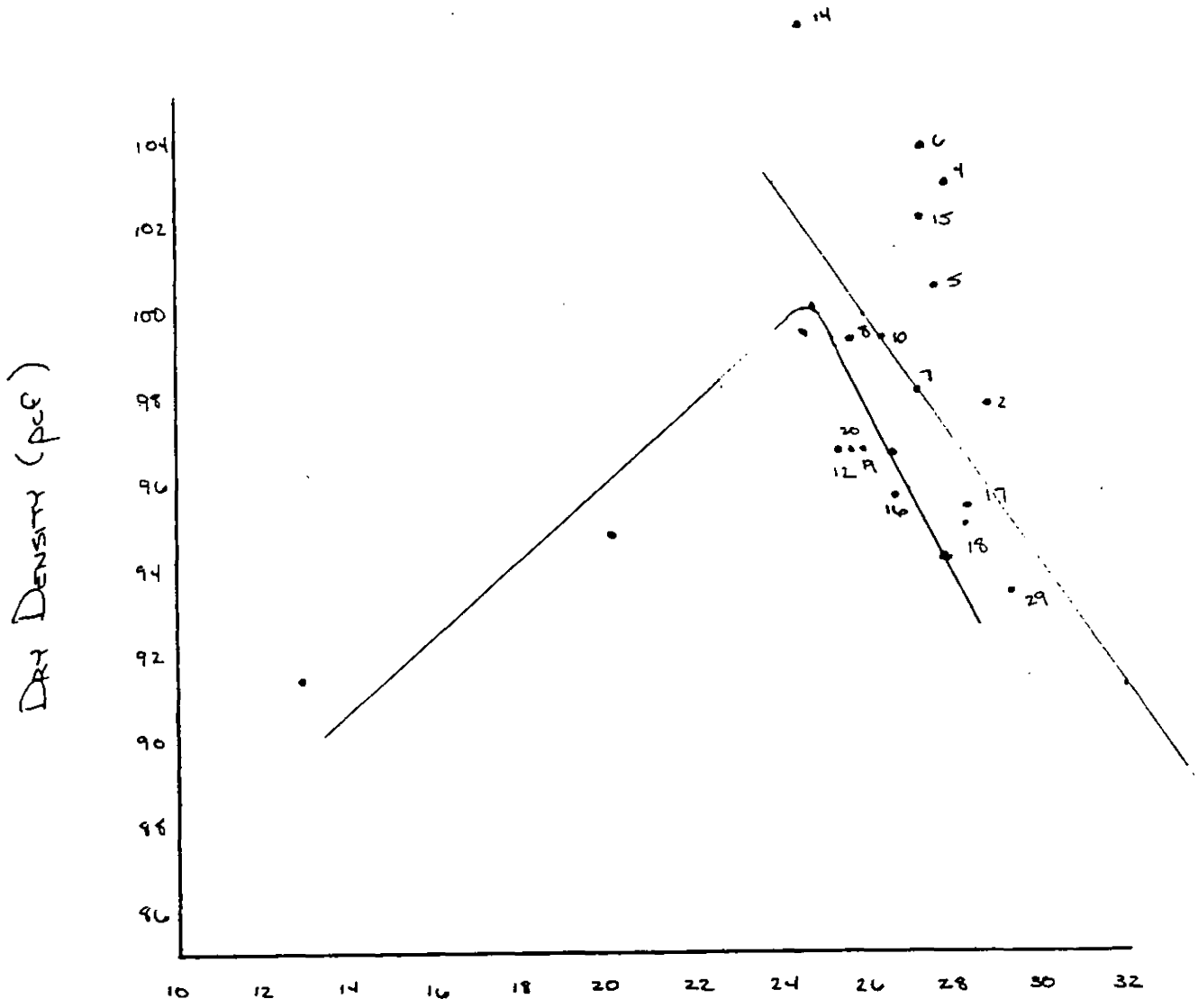
By EJG Date 8/25/90 Subject PROCTOR CURVE # 6 Sheet No. 1 of 1

Chkd. By ____ Date ____ PARTIAL RIVER CHANNELIZATION PROJ. Proj. No. 88-093

1/4" X 1/4"

OPT. MOISTURE : 24.8%

MAX. DRY DENSITY : 100.1 pcf



LOCATION : STA. 18+00 R

ELEV. : 1501.1

IN-SITU MOISTURE : 26.4%

EE

GRAIN SIZE ANALYSIS-MECHANICAL Data Sheet 5

Project Part. River Channelization Job No. 88-093

Location of Project Wellsville, NY Boring No. — Sample No. 1

Description of Soil Babbit Fill Depth of Sample From Initial Stockpile

Tested By FJG Date of testing 9/18/90 & 9/19/90

Soil Sample Size (ASTM D1140-54)

Nominal diameter of largest particle	Approximate minimum Wt. of sample, g
No. 10 sieve	200
No. 4 sieve	500
3/4 in.	1500

Wt. of dry sample + container	6313 g
Wt. of container	127.4 g
Wt. of dry sample, W,	6185.6 g

Sieve analysis and grain shape

Sieve no.	Diam. (mm)	Wt. retained (g)	% retained	% passing
1"	25.0	290.2	4.7	95.3
3/4"	19.0	241.5	3.9	91.4
1/2"	12.5	263.6	4.3	87.1
3/8"	9.5	172.6	2.8	84.3
#4	4.75	432.2	7.0	77.3
#10	2	454.6	7.3	70.0
#20	850μm	24.4 x 10.6 = 258.6	4.2	65.8
#40	425μm	13.4 x 10.6 = 142.0	2.3	63.5
#60	250μm	10.2 x 10.6 = 108.1	1.7	61.8
#100	150μm	18.9 x 10.6 = 200.3	3.2	58.6
#200	75μm	51.7 x 10.6 = 548.0	8.9	49.7
PAN		(3.6 x 10.6) + (6313 - 3278) = 3073.2	49.7	

% passing = 100 − ∑ % retained.

TOTAL 6184.9g

FF

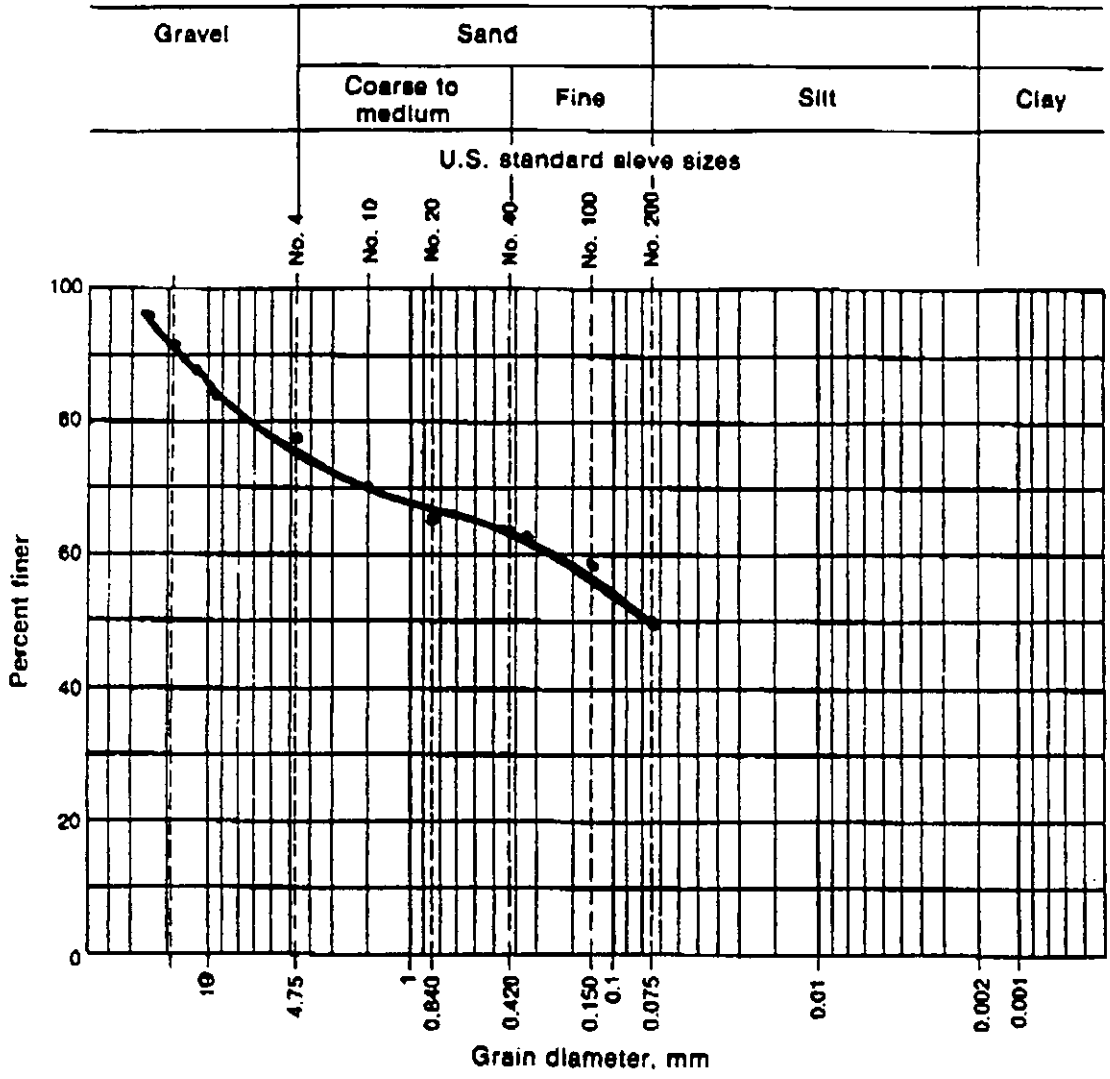
GRAIN SIZE DISTRIBUTION Data Sheet 6

Project Dart River Channelization Job. No. 88-093

Location of Project Wellsville, NY Boring No. — Sample No. 1

Description of Soil Babbit Fill Depth of Sample From Initial Stockpile

Tested By. FVG Date of Testing 9/18/90 & 9/19/90



Visual soil description Brown Silt/Clay w/ Little To Some Fine To Coarse Sand And Gravel

Soil classification:

CL System USCS

GRAIN SIZE ANALYSIS-MECHANICAL Data Sheet 5

Project Babt. River Channelization Job No. 88-093

Location of Project Wellsville, NY Boring No. — Sample No. 2

Description of Soil Babbit Fill Depth of Sample Elev. 1498.60

Tested By FJG Date of testing 9/24, 10/2 & 10/3/90

Soil Sample Size (ASTM D1140-54)

Nominal diameter of largest particle	Approximate minimum Wt. of sample, g
No. 10 sieve	200
No. 4 sieve	500
3/4 in.	1500

Wt. of dry sample + container	3374g
Wt. of container	127.4g
Wt. of dry sample, W,	3246.6g

Sieve analysis and grain shape

Sieve no.	Diam. (mm)	Wt. retained (g)	% retained	% passing
1"	25.0	381.6	6.2	93.8
3/4"	19.0	154.2	2.5	91.3
1/2"	12.5	333.5	5.4	85.9
3/8"	9.5	207.3	3.4	82.5
#4	4.75	507.3	8.3	74.2
#10	2	424.5	6.9	67.3
#20	850μm	29.6 x 8.95 = 264.9	4.3	63.0
#40	425 μm	17.6 x 9.95 = 157.5	2.6	60.4
#60	250μm	12.9 x 8.95 = 115.5	1.9	58.5
#100	150μm	20.7 x 9.95 = 185.3	3.0	55.5
#200	75μm	49.4 x 8.95 = 442.1	7.2	48.3
PAN		62.7 + (3.1 x 8.95) = 90.4	1.5 + 47.2	

% passing = 100 − Σ % retained. TOTAL 3264.1g vs. 3246.6g

%Δ = 0.5%

HH

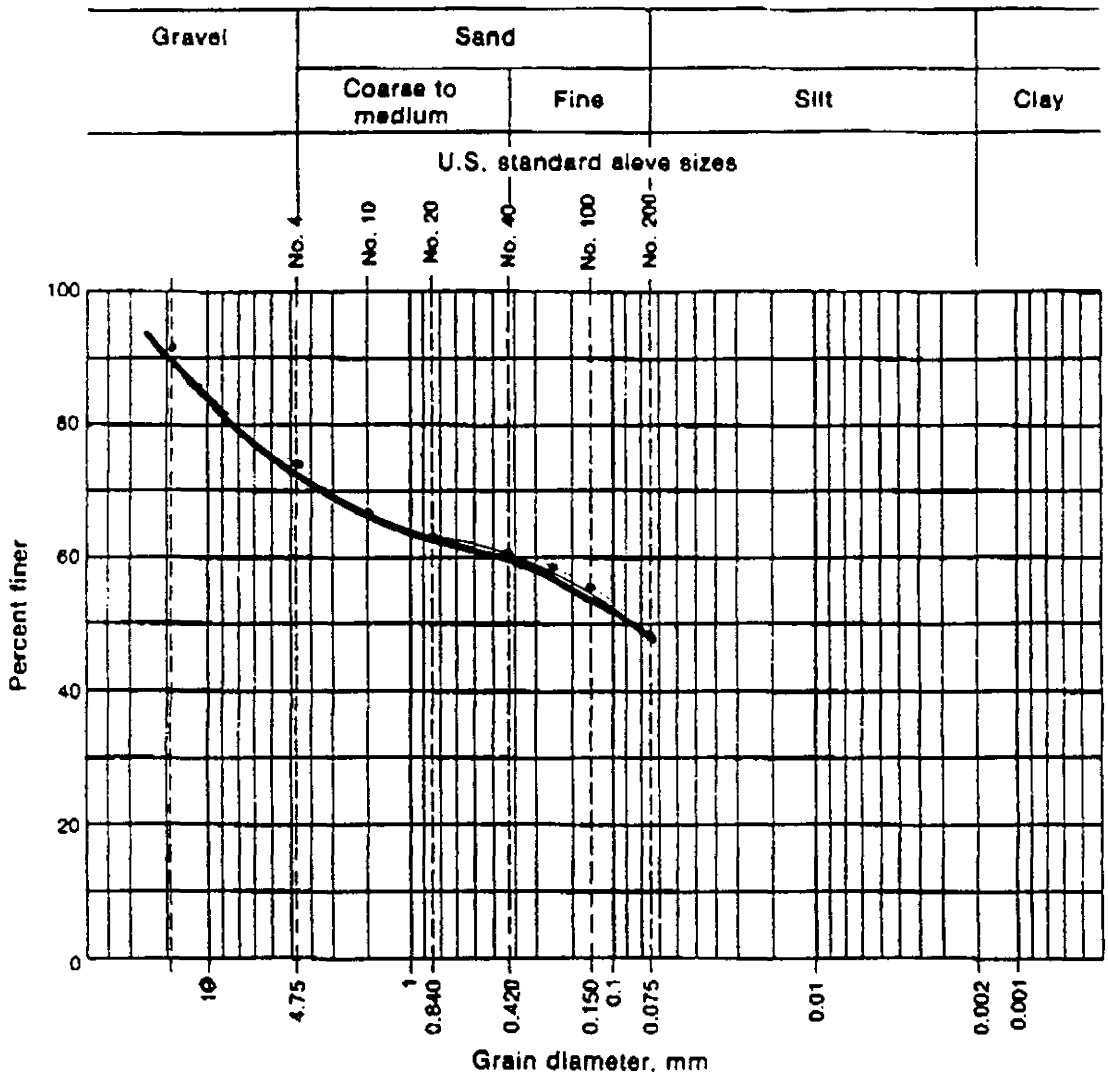
GRAIN SIZE DISTRIBUTION Data Sheet 6

Project Part. River Channelization Job. No. 88-093

Location of Project Wellsville, NY Boring No. — Sample No. 2

Description of Soil Babbit Fill Depth of Sample El. 1498.6

Tested By. FJG Date of Testing 9/24, 10/2 & 10/3/90



Visual soil description Brown F/C Sand & Silt/Clay

Soil classification:

_____ System _____

II

GRAIN SIZE ANALYSIS-MECHANICAL Date Sheet 5

Project PART. RIVER CHANNELIZATION PROJ. Job No. 88-093

Location of Project WELLSVILLE, NY Boring No. — Sample No. 3

Description of Soil RABBIT DIKE FILL Depth of Sample ELEV. 1502.0 STA. 10+25

Tested By FJG Date of testing 11/5/90

Soil Sample Size (ASTM D1140-54)

Nominal diameter of largest particle	Approximate minimum Wt. of sample, g
No. 10 sieve	200
No. 4 sieve	500
3/4 in.	1500

Wt. of dry sample + container	8403 g
Wt. of container	128.9 g
Wt. of dry sample, W_1	8274.1

Sieve analysis and grain shape

Sieve no.	Diam. (mm)	Wt. retained (g)	% retained	% passing
1"	25.0	784.7	9.5	90.5
3/4"	19.0	270.7	3.3	87.2
1/2"	12.5	357.5	4.3	82.9
3/8"	9.5	253.7	3.1	79.8
#4	4.75	581.4	7.0	72.8
#10	2	541.6	6.6	66.2
#20	850 μm	322.5	3.9	62.3
#40	425 μm	185.2	2.2	60.1
#60	250 μm	153.7	1.9	58.2
#100	150 μm	263.3	3.2	55.0
#200	75 μm	753.2	9.1	45.9
	—			

% passing = 100 − ∑ % retained.

JJ

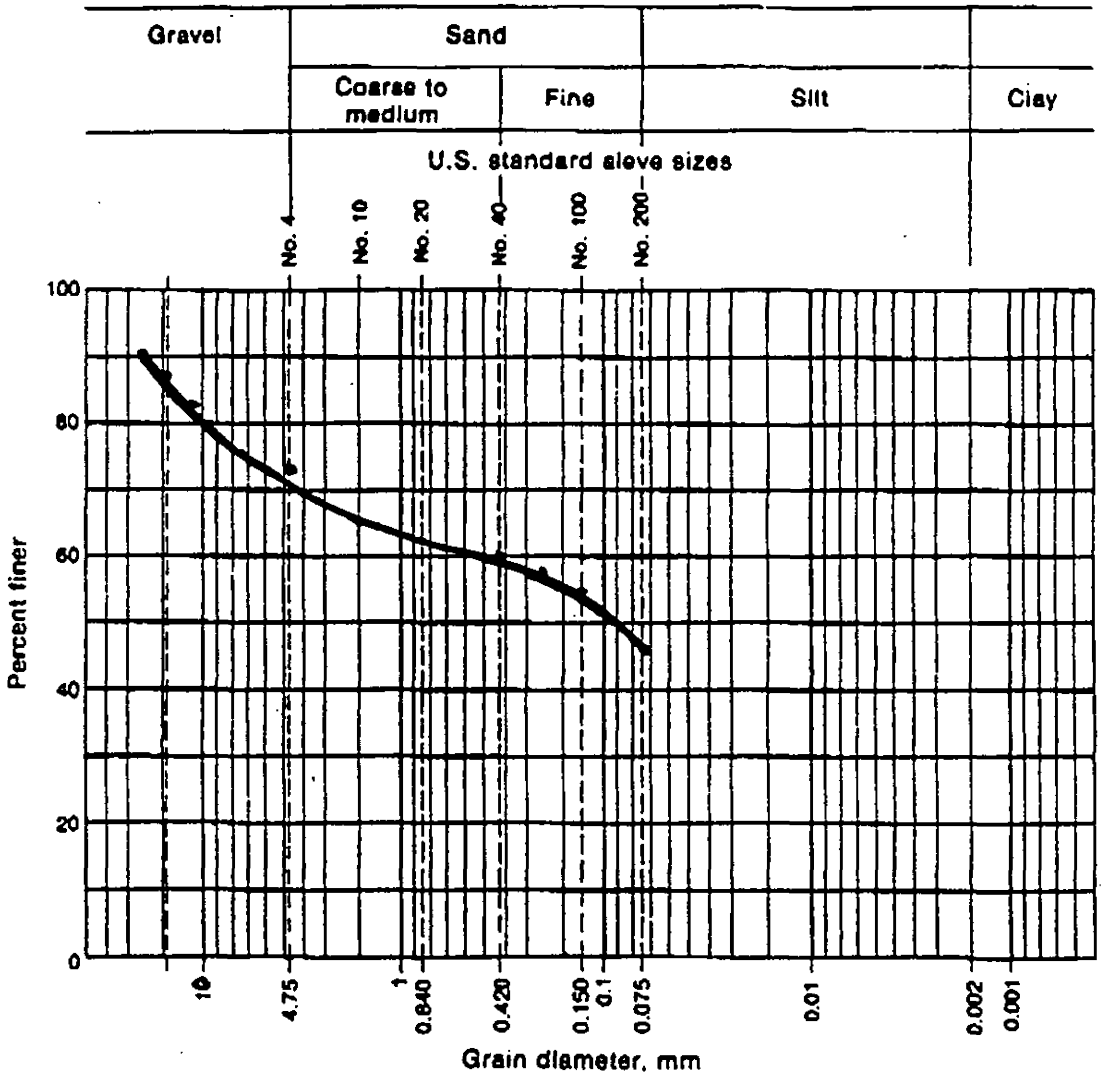
GRAIN SIZE DISTRIBUTION Data Sheet 6

Project Part. River Channelization Proj. Job. No. 88-093

Location of Project Wellsville, NY Boring No. — Sample No. 39

Description of Soil Basin Dike Fill Depth of Sample Elev. 1502.0

Tested By. FJG Date of Testing 11/5/90



Visual soil description _____

_____

Soil classification:

_____ System _____

KK

GRAIN SIZE ANALYSIS-MECHANICAL Data Sheet 5

Project PART. RIVER CHANNELIZATION PROJECT Job No. 88-093

Location of Project WELLSVILLE, NY Boring No. — Sample No. —

Description of Soil ROADWAY AGGREGATE Depth of Sample STOCKPILE SAMPLE

Tested By FJG Date of testing 10/31 & 11/1/90

Soil Sample Size (ASTM D1140-54)

Nominal diameter of largest particle	Approximate minimum Wt. of sample, g
No. 10 sieve	200
No. 4 sieve	500
3/4 in.	1500

Wt. of dry sample + container	13087g
Wt. of container	127.4g
Wt. of dry sample, W_1	12959.6g

Sieve analysis and grain shape

Sieve no.	Diam. (mm)	Wt. retained (g)	% retained	% passing
2"		0	0	100
3/8"		3877.9	29.9	70.1
4		2430.7	18.8	51.3
40		4085.9*	31.5	19.8
200		1608.1*	12.4	7.4
PAN		955.1*	7.4	—

% passing = 100 − ∑ % retained.

* REPRESENTS RESULTS FROM SIEVE ANALYSIS OF PARTIAL SAMPLE FROM FRACTION FINER THAN A # 10 SIEVE.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 15, 1990

Arrived at: 6:10 a.m.
Plan of Day:

Canonie
* Push material in place at common fill area east bank.
* Work slope west bank.
* Seed and mulch east bank.

OHM
* Complete excavation of SLA waste.
* Construct test fill.
* Place Claymax.
* Shape waste pile.

EBASCO Tech.
* Sample SLA soils.
* Monitor air quality.

Hittman
* Test soil samples

Liner Tech.
* Place HDPE at section 4 of test fill.

Liner Tech.'s men were on site, but neither had their H.&S. papers with them. They said they had never worked on a hazardous waste site and did not know they were to have any papers. They did not have any ATV's and wanted to know where the crew was that was to put the material down. I instructed them to read the site safety requirements, and sent them to Ed Casey.
They said they had taken the 40hr basic, but did not remember how long ago. Their papers will be faxed to them. I asked them to complete the H.&S. site specifics.
Pam Watson, OHM, called wanting names of materials for dike extension. I gave her the names and suppliers.
Liner Tech. people came with their 40 hr. certificates, but no medical exam. papers. I told them it was an OSHA requirement for all hazardous waste sites.

Jim Drumm and Jim Feron, NYDEC, are here for the Pre-final inspection.

Lou Jacobson, Liner Tech, called about the H.&S papers. He said they would try to be in compliance with the rules.

Today is the pre-final inspection of the river channelization task, and we have several visitors on site. See Pre-Final Inspection hand-out and sign-in sheet.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 15, 1990

Arrived at: 6:50 a.m.
Plan of Day:

Canonie

* Receive and spread common fill on east bank.
* Dress up slope and grade dike road on west bank.

OHM

* Load, haul and dump SLA material in storage area.
* Install clay max liner on section 4 of test fill.

Field Observations and Activities:

Canonie

* Received pit run gravel (common fill) and stockpiled on dike area of west bank.
* Pumped ponded water in common fill area of east dike.
* Bulldozer used for spreading down all day. No grading this shift.

OHM

* Installed claymax liner on Section 4 of test fill which was soft, wet, and deeply rutted without appreciable compaction. To be soltable and acceptable. Claymax liner requires a stable and level foundation to rest upon. This was not possible due to the overwet condition of the diatomaceous earth comprising the SLA area waste. Consideration was given to shutting down the work or eliminating the claymax liner. Instead the liner was installed without quality control on foundation because there was no other reasonable choice.
* Excavated by dozer push. Loaded and hauled SLA waste to storage area where material was placed on pile with backhoe.

Empire

* Took three moisture samples from storage pile.

Left site at 7:30 p.m.

RECEIVED
NOV 19 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11-15-90 DAY: THURS. HRS.WRK. 10 REPORT NO. 35

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I 0 SUPT._____

H&SO 1 ENG._____

C/SE 1 LABOR_____

P.M. 1 OPER._____

HOP 2 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. 1 ENG._____

OTHERS 1 LABOR_____

" _____ OPER._____

USCOE/EPA 1 OTHER_____

"

VISITORS EMPIRE - 1

HITTMAN EBASCO - 1

SURVEYOR_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe		SEE		
Back Hoe				
Compactor				
Compactor		OHT		
Dump Trk.				
Dump Trk.		REPORT		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY OHM: Excavate SLA material, Shape Wastepile
Install Claymax layer in section 4-
EBASCO: OBTAIN SOIL SAMPLES
ALTMAN: ANALYZE INDICATOR COMPOUNDS

SAFETY FOLLOW INSTRUCTIONS OF H&S OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION Claymax layer was installed on the test fill

SLA EXCAVATION: SEE OHM

WASTEPILE CONSTRUCTION: SEE OHM

OTHER: SEE CANONIE

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	Ø
SLA EXCAVATION		
GEOWASTE MATERIAL	CY	Ø
CANTAMINATED WASTE	CY	
CLEAN	CY	
MISC.	CY	Ø
MISC.		

TYPE	UNIT	EST.QTY.
TESTFILL CONST.	CY	Ø
AGGREGETES	TON	Ø
SETTLEMENT PLATES	EA	Ø
OBSERVATION WELLS	EA	Ø
GEOTEXTILE FAB	SY	Ø
BEDDING MATERIAL	TON	Ø
GEOTEXTILE FAB	SY	Ø
CAYMAX	SY	1000
GEOMEMBRANE	SY	Ø
MISC.		
"		
"		
"		
"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
AGGREGATES	CY	
CLAYMAX	CY	
MISC.		
MISC.		

TYPE	UNIT	EST.QTY.
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	CY	
GEOMAMBRANE	SY	
EQUIP. FUEL&LUBE	GAL	
MISC.		
MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI- 11/15/90

REPORT NUMBERS
SEE OHM REPORT _____ Attached report required by Contract document
_____ " " " " " "
_____ " " " " " "
_____ " " " " " "
_____ " " " " " "

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:
CLAYMAX PLACED WITHOUT 90% COMPACTION OF UNDERLYING MATERIAL. SOME AREAS HAVE RUTS AS MUCH AS 18" DEEP

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In:_____ Emps. Out:_____
Equipment: In:_____ Out:_____
Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:
No. Time Location Emp.No./Equip.No. Injury/damage Response
1 _____
2 _____
Accident/Breeches Report:_____

RECEIVED
NOV 19 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-15-90 DAY: Thursday HRS.WRK. 10 REPORT NO. 35

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. 1

F.E/I_____ P.M._____

H&SO_____ HOP_____

C/SE_____ " _____

P.M._____ " _____

HOP_____

" _____

" _____

ARCO P.M._____

OTHERS _____ SUB._____

" _____ SUPV._____ EMPS_____

USCOE/EPA_____ SUB._____

" _____ SUPV._____ EMPS_____

VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 3

Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
K400	9	1		
D.6	9	1		
D.3	3	7		
235	9	1		
Dump Trk. 2	9	1		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Removal SLA to WASTPILE

SAFETY 0700-0720

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION: 396

WASTEPILE CONSTRUCTION: 396

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE		TESTFILL CONST.	CY	
			AGGREGETES	TON	
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATERIAL	TON	
GEOWASTE MATERIAL	CY		GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY		CAYMAX	SY	8 rolls
CLEAN	CY		GEOMEMBRANE	SY	
SLA	CY		MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	180.3
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	_____	_____
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2					

Accident/Breeches Report:_____

_____

_____

RECEIVED
NOV 26 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: Nov. 15, 1990 DAY: Thursday HRS.WRK. 10 REPORT NO. 129

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: None HUMIDITY: ____ RIVER EL: AM ____ PM 5.36

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. ____

	F.E/I 1	R.E. 1	
	H&SO 1	P.E. 1	
	C/SE	QCM	
	P.M. 1	H&SO	
	HOP 4	P.M. 1	
	"	P.SEC 1	
	"	HOP	
ARCO	P.M. 1	"	
OTHERS	1	CANONIE SUB. App Surveyors	
"		SUPV. ____ EMPS. 2	
USCOE/EPA	7	SUB. ____	
"		SUPV. ____ EMPS. ____	
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 4

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235		Stand by		
" 963	Released			
" D-6			Down	
Hydro Seeder		Stand by		
" 12G	8			
(Sheep) Compactor	10			
(Smooth) "		Stand by		
Canonie Wtr. Trk	Offsite	for Repairs		
Hertz Wtr. Trk		Stand by		
(E. Bank) Cat 235	Released			
Komatsu PC 200	0	Stand by		
Generator / Steam Genny		Stand by		
½ ton pickup	10			
Mechanic Trucks	11			

MEETINGS:

PLAN OF DAY Continue placing impacted material for Ebasco Point Trees, Repair D-6 Pump out standing water in E Bank Commonfill Area

SAFETY Good Construction Practice

SCHEDULED Pre Final Inspection

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #902 (Site Clean up)

EAST BANK #802 (Site Clean up)
#702 (Backfill E. Bank Commonfill Area)

RIVER (Any activity performed in water or gravel bar)

OTHER Repaired D-6, Paint Damaged monitoring well

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		• Pit Run (T&M for Ebasco)		
TOE TRENCH EXCAV.			•		
CLEAN MATRL.	CY		•		
WASTE MATRL.	CY		•		

MATERIALS RECEIVED: None

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS	75		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
•				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Finish As-built on W. Bank Rite & start As-Built on E. Bank Rip Rap.

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS Pre Final Inspection

US CORP, EPA, DEC, ARCO Ebasco & Conmic all present at the Prefinal Inspection

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHNICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No accidents or incidents to report today — November 15, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter CLIENT: ARCO DATE: 11-15-90

CLIENT: Sinclair Refinery, Wellsville PE/PS

JOB NO: 88-093 LOCATION OF WORK: W. Bank / E. Bank

ACTIVITY: W. Bank

802 (Site Clean up)
- Picked up any construction debris on site
- Painted monitoring wells @ sta 8+25- and @ sta 23+00 converted monitoring well @ sta 23+00

E. Bank

702 (Backfill E. Bank Commercial Area)
- Continues placing imported Pit Run from Alfred Atlas for Ebasco. All activities are based on Time & Material

Tim	1 815 B Compactor	10 hrs
	1 operator	10 hrs
	1 12 G Grader	2 hrs
	1 operator	2 hrs
	1 pump w/ operator	2 hrs

- Pumped out standing water in East Bank Commercial Area to expedite Backfilling of E Bank Commercial Area

802 (Site Clean up)
- Painted trees on E. Bank work Area.

Pre Final Inspection:
Rip Rap accepted
Punch list ITEMS will be addressed and completed to satisfaction prior to the Final Inspection

941

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 15, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	6:55 /	/	
C-3 P. Porter	6:45 / 7:58	8:51 / 10:26 10:45/11:46 12:15/12:23	~~12:45~~ / 5:03
C-4 A. Muellerleile	7:04 / 9:25	10:26 / 11:56 12:31 / 3:03 4:09 / 6:06	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 ~~J. App~~ J. Mihm	8:26 / 9:25	10:26 / 11:56 12:31 / 3:03 4:09 / 5:35	
C-9 G. Lazusky	6:55 / 12:45	3:23 / 3:34	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:36 / 7:07	7:25 / 8:31 2:18 / 2:38 5:18 / 5:30	
C-12 C. Mckim	6:38 / 7:07	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	6:30 / 6:32	6:49 / 7:09 10:42 / 10:44 11:07 / 12:02	2:30 / 2:23
C-16 S. Hunt	6:31 / 6:32	6:49 / 7:07 7:45 / 7:47 9:45 / 9:51	10:39 / 11:37
C-17 P. Smith	/	/	
C-18 R. Bartles	6:55 / 11:46	12:00 / 12:45 3:23 / 3:34	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:32 / 8:51	9:08 / 10:31 10:37 / 11:32 11:44 / 3:62	4:09 /
E-2 T. Granger	/	/	
E-3 S. Stiles	10:31 /	/	
E-4 C. Swann	6:50 / 8:51	9:08 / 12:15 12:49 / 1:14 1:16 /	
E-5 N. Kratzke	6:49 / 11:39	12:13 / ~~1:05~~ 5:22	
A-6 R. Colleton	8:18 / 12:17	2:17 / 4:42	
A-1 S-8 D. Simpadian	6:28 / 12:15	12:49 / 5:07 5:27 /	
A-2 S-6 J. Lane	7:31 / 11:07	11:39 / 12:13 1:05 / 2:41	3:09 / 3:14 3:34 / 4:50
A-4	/	/	
C/E-1 D. Stubbs	11:07 / 12:13	12:46 [redacted] 3:07 4:10 / 4:39	
C/E-2 6 M. Hrywnak	9:40 / 5:27	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:00	/	
S-4 T. Cobb	1:55 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 15, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	4:09 / 4:54	5:07 /	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	5:54 / 6:01	/	
C-16 S. Hunt	5:54 / 6:13	/	
C-17 P. Smith	/	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2 S & S Lane	5:19 / 6:15	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 15, 1990

No./Name		Time In/Out	Time In/Out	Remarks
C-5				
C-7				
C-10				
C-13				
C-14				
C-17				
C-19				
C-20				
E-2	D. Wartinger	10:54/12:53		Empire Soils
E-7	T. Granger	1:04/3:02	4:09/	EBASCO
E-8	M. Turko	1:04/3:02	4:09/	EBASCO
E-9	L. Lumos	1:04/3:02	4:09/	EBASCO
A-2				
A-5				
A-7				
A-9				
A-10				
C/E-2	E. Feron	10:11/10:54	12:41/3:02	4:09/4:34 DEC
C/E-3	J. Drum	9:25/10:54	12:41/3:02	4:09/4:35 DEC
C/E-4	J. Boyle	11:07/12:13	12:46/3:07	4:10/4:34 Corps.
C/E-5	T. Pieczynski	11:07/12:13	12:46/3:07	4:10/4:34 Corps.
C/E-7	M. Negrelli	1:04/3:02	4:10/4:58	EPA
C/E-8				
C/E-9				
C/E-10				

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 15, 1990

No./Name	Time In/Out	Time In/Out	Remarks
A-3 D. Rall	6:31/12:13	12:40/5:43	
A-8 M. Miller	6:31/12:13	12:40/5:43	
A-4 J. Facio	6:45/12:11	12:54/5:16	
A-5 J. Lovewell	6:45/12:11	12:54/5:16	
C/E-7 A. Gonzales	6:45/7:20	8:45/12:53	1:07/4:07 4:24/5:16
C/E-8 S. St. Martin	6:45/5:16		
E-6 N. Durovich	6:30/12:53	1:25/	
C/E-3 D. Tingue			
C/E-4 R. Crooks			
T. Woolley C-5	7:05/8:53	9:48/10:27	Linear Technology
J. Livingston C-7	7:05/8:53	9:48/10:27	"
Adams Septic Service	9:27/9:41		
Jim Ball	9:50/9:51		Ball Land Survey
D. Phillips A-1	9:51/10:26	10:45/11:22	Beckwith Mach.
UPS	10:14/10:15		
T. Hyds	10:15/10:21		Shawley Office Equip.
Rick Scutt	10:15/12:07		Shorts Oil Co.
Charlie Baker	1:50/2:09	3:02/4:05	
FedEx	1:54/1:55		
DHL Delivery	2:56/2:59		1 pc. delivery
UPS	3:56/3:59		1 pc. pickup

Still working
- L. Dekker
- P. Porter
- ~~S. Hunt~~
- G. Stiles
- S. Stiles
- M. Tuttle
- T. Granger
- P. Simpadian
- ~~J. Gabbe~~
- N. Durovich

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 14, 1990

Arrived at: 7:50 a.m.

Plan of Day:

Canonie

* Receive pit run on east side to establish 1% grade. Grade and level to match O. G.
* Dress up east side in preparation for seeding and mulching.

OHM

* Move SLA material to storage area.

Field Observations and Activities:

Canonie

* Graded with dozer on east bank (Sta 2+00 to 5+50) Dozer broke down at 11:00 a.m.
* Received pit run gravel and established road/stockpile behind rip rap to be spread later.
* Backhoe added rip rap in low spots at road grade and dressed up downstream slopes.
* Dozer fine-graded CELA stockpile area.
* Repaired damaged observation well. At end NY dike and raised well casing above fill slope near station 9+00.

OHM

* Continued to excavate and haul SLA material to storage area next to CELA Second backhoe provided to stack material in storage pile (material too wet to push in with dozer) area of South Land Fill waste extends below G.W. Stopping excavation short of G.W. table. Sampling and testing is accomplished as visually clean areas become available.

Meyer

* Shot settlement plates.
* Established/extended grid in SLA area and determined sections for pay purposes.

Hittman-EBASCO

* Ran samples from SLA.

Left site at 8:15 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 14, 1990

Arrived at: 6:20 a.m.
Plan of Day:

Canonie
* Push material in place at common fill area east bank.
* Fine grade east bank.
* Place roadway aggregate west bank.
* Work slope west bank.

OHM
* Excavate SLA & construction waste pile.

Meyer
* Check settlement plates.
* Survey Topo at common fill area.

EBASCO Tech.
* Sample SLA soils.
* Monitor air quality.

Hittman
* Test soil samples.

Discussed grading slopes of common fill area with Allan. I do not think he understands. All we need to do is slope from the top of rip rap to existing ground. In some places it will be level, as the existing ground is the same elevation as the rip rap.
I asked Allan if they were going to relocate the fences, as Dave and I discussed. He said Dave wanted to leave them up until the grass was established and then they might do something. I told him that would not be until next summer. He asked if I wanted them moved now. I told him I no longer had a need for them where they are. They will take them out.
Mike Rynick said we still have waste to excavate from SLA as the water that is in the bottom is run off and that is why it has oil. I told him the surveyors had checked both the river level and the water level in the sample holes over the SLA excavation, and the numbers on the conference room board is what we have. And, I think it is the GWT. He asked if I would shoot it again. I told him we would.
Allan gave us the FCR No.14 for relocating the fence. I told him I would not accept it.
Nick said they are having problems placing the waste on the pile. It will not compact, and they are running out of room.
D-6 broke down at 10:30 a.m. and is not going to be fixed until tomorrow noon or after. 815 worked 10 hrs.
Told Nick, OHM, they are authorized to mobe.

RECEIVED
NOV 14 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11-14-90 DAY: WED. HRS.WRK. 10 REPORT NO. 34

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I 0 SUPT._____

H&SO 1 ENG._____

C/SE 1 LABOR_____

P.M. 0 OPER._____

HOP 3 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. 0 ENG._____

OTHERS 0 LABOR_____

" _____ OPER._____

USCOE/EPA 2 OTHER_____

"

VISITORS HITTMAN-EBASCO-1

SURVEYOR DOUG MYERS-2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe		SEE		
Back Hoe				
Compactor		OHM		
Compactor				
Dump Trk.				
Dump Trk.		REPORT		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY OHM: EXCAVATE AND STOCKPILE SLA MATERIAL

DOUG MYERS: STAKE SAMPLING GRID
EBASCO: OBTAIN SOIL SAMPLES
HITTMAN EBASCO: ANALYZE SOIL SAMPLES
SAFETY FOLLOW INSTRUCTIONS OF H&S OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION NO WORK DONE ON TESTFILL CONSTRUCTION

SLA EXCAVATION: SEE OHM REPORT

WASTEPILE CONSTRUCTION: SEE OHM REPORT

OTHER: SEE CANONIE REPORT

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	0	TESTFILL CONST.	CY	0
			AGGREGETES	TON	0
			SETTLEMENT PLATES	EA	0
			OBSERVATION WELLS	EA	0
			GEOTEXTILE FAB	SY	0
SLA EXCAVATION			BEDDING MATERIAL	TON	0
GEOWASTE MATERIAL	CY	0	GEOTEXTILE FAB	SY	0
CANTAMINATED WASTE	CY	1062	CAYMAX	SY	0
CLEAN	CY	0	GEOMEMBRANE	SY	0
MISC.	CY	0	MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI- 11/14/90

REPORT NUMBERS
SEE OHM REPORT ____ Attached report required by Contract document
" " " " " "
" " " " " "
" " " " " "

COMMENTS NONE

TECHINICAL CONCERNS/PROBLEMS:
NONE

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In:_____ Emps. Out:_____
Equipment: In:_____ Out:_____
Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2					

Accident/Breeches Report:_____

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

NOV 2 6 1990

EBASCO / ARCO

DATE: 11-14-90 DAY: Wednesday HRS.WRK. 10 REPORT NO. 128

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: 0 HUMIDITY: ____ RIVER EL: AM ____ PM 5.37

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. ____

	F.E/I 1	R.E. 1	
	H&SO 1	P.E. 1	
	C/SE ____	QCM ____	
	P.M. ____	H&SO ____	
	HOP 3	P.M. ____	
	" ____	P.SEC 1	
	" ____	HOP ____	
ARCO	P.M. ____	" ____	
OTHERS	____	CANONIE SUB. App Surveyors	
"		SUPV. ____ EMPS. 2	
USCOE/EPA	3	SUB. ____	
"	____	SUPV. ____ EMPS. ____	
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 4

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	____	Standby	____	____
" 963	Released	____	____	____
" D-6	____	____	Down	____
Hydro Seeder	____	Stand by	____	____
" 12G	8	____	____	____
(Sheep)Compactor	10	____	____	____
(Smooth) "	8	____	____	____
Canonie Wtr. Trk	Offsite	for Repairs	____	____
Hertz Wtr.Trk	____	Stand by	____	____
(E.Bank) Cat 235	Released	____	____	____
Komatsu PC 200	10	____	____	____
Generator / Steam Gangy	____	Stand by	____	____
½ ton pickup	10	____	____	____
Mechanic Trucks	11	____	____	____

MEETINGS:

PLAN OF DAY Con't placing fill for Ebasco. Complete placing Rip Rap on WEST Bank. Spread Topsoil W. Bank Replace damaged Monitoring Well. Finish hauling Roadway Aggregate

SAFETY Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 606 (Place W. Bank Roadway Aggregate)
802 (Site Clean up)
605 (Place W. Bank Rip Rap Protection)
607 (Topsoil and seed W. Bank Areas)

EAST BANK # 702 (Backfill E Bank Common Fill Area)
802 (Site Clean up)

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	N.B.L 22.3
OIL STAIND	CY		ROAD AGGRTS	SY	73.33
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		▪ Pit Run (Trim for Phase)		
TOE TRENCH EXCAV.			▪		
CLEAN MATRL.	CY		▪		
WASTE MATRL.	CY		▪		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	73.33
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
▪				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Set & Shot Finish Shoulder Stakes W. Bank Dike
- Shoot Grade Checks on island excavation

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	W. Bank	A-8	Rip Rap		X	
2	W. Bank	A-9	Roadway	Agg.	X	
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHNICAL CONCERNS/PROBLEMS:

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

CLIENT: ARCO	DATE: 11-14-90
CLIENT: Sinclair Refinery, Wellsville	PE/PS
JOB NO: 88-093	LOCATION OF WORK: East and West Banks

ACTIVITY: W. Bank

605 (Place W. Bank Rip Rap Protection)
- Completed reworking and placing Rip Rap on the W. Bank.
- Rip Rap is ready for Final Acceptance

606 (Construct W. Bank Roadway)
- Finished placing W. Bank Roadway Aggregate
- Will cut to grade when all Construction activities are completed on the West Bank Dike.

OTHER:
- Spread Topsoil that was placed on inside of W. Bank Dike sta 11+50 - sta 16+00
- Raised monitoring well @ sta 8+25
- Repaired monitoring well @ sta 23+00.

802 (Site clean-up)
- Pulled roadway aggregate out from inbetween Rip Rap sta 11+00 - sta 14+00 : Komatsu PC 200 4 hrs

E. Bank

#702 (Backfill E. Bank Common Fill Area)
- Continued to place imported Bt Run from Alfred Abbs for Ebasco. All Activities are based on Time and Materials

T&M		
	1 815 B compactor	10 hrs
	1 operator	10 hrs
	1 12 G Grader	2 hrs
	1 operator	2 hrs

#802 (site clean-up)
Removed ~ 250 feet of 3 strand barbwire fence sta 2+00 - sta 5+50
AT the direction of G. Stiles (Ebasco)

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

RIP RAP

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 11-14-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X	____	____
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X	____	____
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X	____	____
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3,-0 INCHES	X	____	____
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X	____	____

3. DUST CONTROL

ACTION TAKEN: ____

4. RIPRAP LOCATION

DIKE STATION 0+00 TO 22+31.59

5. REMARKS Completed placing and reworking Rip Rap on W. Bank. Completed QA/QC on Rip Rap and the Rip Rap is Ready for Final Acceptance

INSPECTOR [signature] DATE 11-16-90

REVIEWED BY MA DATE 11-26

FORM A-9
SHEET ____ OF ____

AGGREGATE-SURFACED ROADS

INSPECTION DATE 11-14-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- AGGREGATE FREE FROM DIRT AND OTHER OBJECTIONABLE MATTER.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- SUBGRADE IS HARD AND NONYIELDING	X		
- IN-PLACE LOCATION AND THICKNESS OF ROADS IS AS SHOWN ON CONTRACT DRAWINGS	X		
- ELEVATION OF TOP OF ROAD IS WITHIN 0.05 FOOT FROM GRADE, PROFILE AND CROSS SECTIONS SHOWN ON CONTRACT DRAWINGS.			
3. DUST CONTROL			

ACTION TAKEN: _____

4. ROADS LOCATION

DIKE STATIONS 0+00 TO 22+31.59

5. REMARKS Completed importing Roadway Aggregate from Alfred Atlas. Left Roadway Agg. high to prevent damage to the final elevation of Roadway Agg. Will cut Roadway to grade when all construction activities are completed.

INSPECTOR _____ DATE 11-18-90

REVIEWED BY AM DATE 11.26

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 14, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	6:55 / 12:22	1:15 / 5:51	
C-3 P. Porter	6:41 / 12:42	1:19 / 2:45	2:57/
C-4 A. Muellerleile	7:14 / 7:54	8:52 / 9:17	10:17/12:42 1:19/2:38 4:09/
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:46 / 1:26	2:15 / 2:25	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:41 / 11:53	12:07 / 12:40	1:11/1:15 2:46/2:49 5:21/
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	6:33 / 6:36	6:48 / 7:06	2:01/2:06 5:27/
C-16 S. Hunt	6:34 / 6:36	6:48 / 7:10	8:33/8:43 8:56/9:18 11:45/12:07
C-17 P. Smith	/	/	12:24/1:30 2:46/[redacted]3:00
C-18 R. Bartels	6:46 / 12:00	12:17 / 1:26	2:15/2:25
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:34 / 8:08	8:49 / 10:32	10:42/12:08 12:34/
E-2 ~~T. Granger~~ Stone	/	/	
E-3 S. Stiles	10:42 / 1:18	1:48 /	
E-4 C. Swann	6:55 / 8:08	8:49 / 9:17	9:25/12:19 1:00/2:42 3:40/
E-5 S. Casey	7:14 / 9:37	10:10 / 3:15	
~~A~~-6 R. Colleton	8:37 / 11:41	1:37 / 5:30	
~~A-1~~ ~~S~~ D. Simpodian	6:45 / 1:32	2:25 / 3:59	4:31/
A-2 ~~S~~-6 J. Lane	7:25 / 12:43	1:45 / 4:51	
A-~~4~~1 N. Kratzke	1:27 / 5:26	/	
C/E-1 D. Stubbs	9:47 / 12:25	/	
E-9 ~~C/E-2~~ M Hrynnak	9:20 / 12:38	1:47 / 3:40	
C/E-~~5~~ P. Colon-Garay	9:23 / 12:38	1:47 / 3:36	
C/E-4	/	/	
S-1 Jon Palmer	10:19 / 10:21	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:00	4:36 / 4:36	
S-4 T. Cobb	1:53 / 5:30	5:31 / 6:30	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 14, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	/	/	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	/	/	
C-16 S. Hunt	4:55 / 9:48	3:27 / 5:57	
C-17 P. Smith	/	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 18, 1990

No./Name	Time In/Out	Time In/Out	Remarks
A-2 D. Rall	6:33/12:06	12:33/6:05	OHM
A-3 M. Miller	6:33/12:06	12:33/6:05	
A-4 J. Facio	6:41/12:06	12:45/5:07	
A-5 J. Lovewell	6:41/12:06	12:45/5:07	
C/E-7 A. Gonzales	6:41/1:52	2:55/5:07	
C/E-8 S. St. Martin	6:41/1:05	1:48/5:07	
E-6 N. Durovich	6:33/12:57	1:40/	
C/E-3 D. Tingue	6:59/12:12	12:51/3:41	Meyers'
C/E-4 R. Crooks	6:59/12:12	12:51/3:41	Landscaping
Charlie Baker	7:12/7:31	12:12/1:04	
Clint Perry	7:41/7:51	8:47/8:58	Alfred Atlas
Brian Ennis	8:28/8:42		Mills Trans'
Marc Warriner	8:29/8:48		"
Bob Cline	8:57/9:07		Davison Trucking
UPS	10:12/10:14		
Rick Scutt	10:28/11:03		Shorts Oil Co.
Tammy Worthington	12:03/12:05		Showley Office Equip.
Walt Babbitt Ed	12:21/1:51		
Fed Ex	1:58/2:02		2pc. pickup/4pc. delivery
Tom Gowan	2:10/5:07		Beam Clean
DHL Delivery	2:47/2:49		1pc. delivery
UPS	3:21/3:30		2pc. pickup
Welder	5:55/		otis

P. Porter
A. Muellerleile
G. Stiles
S. Stiles
C. Swain
D. Sinpadian
two welders from otis
N. Durovich

Still working.

RECEIVED
NOV 19 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-14-90 DAY: Wed HRS.WRK. 10 REPORT NO. 39

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. 1

F.E/I_____ P.M._____

H&SO_____ HOP_____

C/SE_____ "_____

P.M._____ "_____

HOP_____

"_____

"_____

ARCO P.M._____

OTHERS_____ SUB._____

"_____ SUPV._____ EMPS_____

USCOE/EPA_____ SUB._____

"_____ SUPV._____ EMPS_____

VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 3

Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Km400	9	1		
D.6	9	1		
D.3	4	5		
235	8	1		
Dump Trk. 2	9	1		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Removal of SLA to Wastepile

SAFETY 0700-0720

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION: 1062

WASTEPILE CONSTRUCTION: 1062

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	_____
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	_____	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAYMAX	CY	_____	EQUIP. FUEL&LUBE	GAL	200
MISC.	____	_____	MISC.	____	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____ Attached report required by Contract document

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	_____	_____
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 13, 1990

Arrived at 6:50 a.m.

Plan For Day

Canonie

* Receive and spread imported pit run on east side.
* Dress up west side and fix wells.
* Receive, dump, spread, compact road aggregate.

OHM

* Excavate, load, haul, dump and push SLA material.

Field Observations and Activities:

Canonie

* Received pit run gravel/sand from Alfred Pit. Spread and compact in low areas behind dike on east side. Conditions very wet due to ponded water. Using sheepsfoot roller to spread and compact.
* Removed stumps and logs from toe trench rip rap north of NY dike.
* Graded inside drainage swale and dug out buried QBS well with backhoe.
* Received road aggregate for dike road. Dumped, spread, graded and compacted same with vibratory smooth drum roller.

OHM

* Excavated SLA material and hauled to storage area. Not possible to control fill placement due to wet conditions. Second backhoe rented from Charlie Joyce. Piling material in storage area. Dozer pushing to backhoe in SLA. Good progress made on moving material. Main excavating and hauling should be completed tomorrow.

Meyer

* Shot settlement plates. Surveyed SW corner of SLA for quantity measurements. Set fill stakes on east side to provide 10% grade to ward river.

Hittman-EBASCO

* Calibrated equipment and tested field samples.

Empire

* Took three moisture samples and summarized moisture content and dry density determination.

Left site at: 7:00 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 13, 1990

Arrived at 6:10 a.m.
Temperature last night was 23 degrees with wind at 20 to 30 mph.
Plan of Day:

Canonie
* Continue fine grading on east bank.
* Place roadbase material at west bank
* Load out 235 hoe, 963 loader and Rayco compactor.

OHM
* Excavate SLA.
* Construct waste pile.

Doug Meyers
* Layout sample grids.
* Check settlement plates.

EBASCO Tech.
* Sample SLA soils.
* Monitor air quality.

Hittman
* Test soil samples

Liner Tech. called (Lou). They will be on site Thursday.

Mark K. called, wanted information on bid items, and to see if we have made a decision.

We got the 235 hoe from Otis/Eastern.

RECEIVED
NOV 14 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11-13-90 DAY: TUE. HRS.WRK. 10 REPORT NO. 33

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL

EBASCO.	C.M.	1	SUB.	
	F.E/I	ϕ	SUPT.	
	H&SO	1	ENG.	
	C/SE	1	LABOR	
	P.M.	ϕ	OPER.	
	HOP	2	OTHER	
	"		SUB.	
	"		SUPT.	
ARCO	P.M.	ϕ	ENG.	
	OTHERS		LABOR	
	"		OPER.	
USCOE/EPA		ϕ	OTHER	
	"			

VISITORS HITTMAN-EBASCO - 1
EMPIRE - 1

SURVEYOR DOUG MYERS-2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe		SEE		
Back Hoe				
Compactor				
Compactor		OHM		
Dump Trk.				
Dump Trk.				
Others		REPORT		
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY OHM: Excavate and stockpile SLA Material

SAFETY FOLLOW INSTRUCTIONS OF H&S OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION: SEE OHM

WASTEPILE CONSTRUCTION: SEE OHM

OTHER: SEE CANONIE

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	Ø	TESTFILL CONST.	CY	Ø
			AGGREGETES	TON	Ø
			SETTLEMENT PLATES	EA	Ø
			OBSERVATION WELLS	EA	Ø
			GEOTEXTILE FAB	SY	Ø
SLA EXCAVATION			BEDDING MATERIAL	TON	Ø
GEOWASTE MATERIAL	CY	Ø	GEOTEXTILE FAB	SY	Ø
CANTAMINATED WASTE	CY	1818	CAYMAX	SY	Ø
CLEAN	CY	Ø	GEOMEMBRANE	SY	Ø
MISC.	CY	Ø	MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	Ø	GEOTEXTILE FAB	SY	Ø
OBSERVATION WELLS	EA	Ø	BEDDING MATERIAL	CY	
AGGREGATES	CY	Ø	GEOMAMBRANE	SY	
CLAYMAX	CY	Ø	EQUIP. FUEL&LUBE	GAL	
MISC.		Ø	MISC.		
MISC.			MISC.		Ø

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI- 11/13/90

REPORT NUMBERS

SEE OHM REPORT Attached report required by Contract document

" " " " " "

" " " " " "

" " " " " "

COMMENTS NONE

TECHINICAL CONCERNS/PROBLEMS:

NONE

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	D + 16	120
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 16 Emps. Out: 16

Equipment: In: Back Hoe ~~Bobcat~~ OHM Out: -

Venders Equipment: In: - Out: -

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage Response
1				
2		NONE		

Accident/Breeches Report: NONE

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11-12-90 DAY: MON HRS.WRK. 10 REPORT NO. 32

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION: SNOW HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I Ø SUPT._____

H&SO 1 ENG._____

C/SE 1 LABOR_____

P.M. Ø OPER._____

HOP 1 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. Ø ENG._____

OTHERS Ø LABOR_____

" _____ OPER._____

USCOE/EPA 1 OTHER_____

" _____

VISITORS HITTMAN EBASCO - 1

EMPIRE - 1

SURVEYOR DOUG MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer		SEE		
Dozer				
Back Hoe		OHM		
Back Hoe				
Compactor		REPORT		
Compactor				
Dump Trk.				
Dump Trk.				
Others				
"				
"				
"				
"				

ECI - 11/12/90

MEETINGS:

PLAN OF DAY OHM: EXCAVATE SLA AND PLACE ON TEST FILL.
DOUG MYERS: CHECK SETTLEMENT RATE ELEVS.) STAKE SAMPLING GRID
EBASCO: OBTAIN SOIL SAMPLES; HITTMAN: INDICATOR COMPOUND ANALYSIS

SAFETY FOLLOW INSTRUCTIONS OF HRS OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION: SEE OHM

WASTEPILE CONSTRUCTION: SEE OHM

OTHER: SEE CANONIE

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	0	TESTFILL CONST.	CY	
			AGGREGETES	TON	0
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
SLA EXCAVATION			BEDDING MATERIAL	TON	
GEOWASTE MATERIAL	CY	0	GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY	1044	CAYMAX	SY	
CLEAN	CY	0	GEOMEMBRANE	SY	0
MISC.	CY	0	MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI- 11/12/90

REPORT NUMBERS
SEE OHM REPORT

Attached report required by Contract document
" " " " " "
" " " " " "
" " " " " "

COMMENTS WORK COULD NOT PROCEED DUE TO INCLEMENT WEATHER CONDITIONS (~3" ACCUMULATION & SNOWED ALL DAY)

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	D+ 13	117
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In: 15 Emps. Out: 15
Equipment: In: - Out: -
Venders Equipment: In: - Out: -

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2			NONE		

Accident/Breeches Report: NONE

RECEIVED
NOV 26 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 11-13-90 DAY: Tuesday HRS.WRK. 10 REPORT NO. 127

WEATHER INFORMATION:

TEMPERATURE: High 37 Low 30 WIND: Mph. ____ Dir. ____

PRECIPITATION: 0 HUMIDITY: ____ RIVER EL: AM — PM 5.41

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. ____

	F.E/I 1	R.E. 1
	H&SO 1	P.E. 1
	C/SE	QCM
	P.M.	H&SO
	HOP 3	P.M.
	"	P.SEC 1
	"	HOP
ARCO	P.M.	"
OTHERS		CANONIE SUB. App Surveyor
"		SUPV. ____ EMPS. 2
USCOE/EPA	2	SUB.
"		SUPV. ____ EMPS.
VISITORS	See Security log	

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 5

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	Released			
" D-6	10			
Hydro Seeder		Stand by		
" 12G	8			
(Sheep) Compactor	10.5			
(Smooth) "	8			
Canonie Wtr. Trk	offsite	for Repairs		
Hertz Wtr. Trk		Stand by		
(E. Bank) Cat 235	Released			
Komatsu PC 200	9			
Generator / Steam Genny		Stand by		
1/2 ton pickup	10			
Mechanic Trucks	11			

MEETINGS:

PLAN OF DAY Final Grade Stockpiles, grade drainage swales. Start placing and compacting material imported by Ebasco.

SAFETY Good Construction Safety

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #606 (Construct W. Bank Roadway)
#802 (Site Clean-up)

EAST BANK #702 (Backfill E. Bank Commercial Area)
#802 (Site Clean-up)

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	~~SY~~	241.35 tons
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		▪ Pit Run		(Tom for Elmire)
TOE TRENCH EXCAV.			▪		
CLEAN MATRL.	CY		▪		
WASTE MATRL.	CY		▪		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	241.35
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS	1000		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
▪				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

- Set Grade for Ditch on inside of W. Bank Dike
- Reset Finish shoulder stakes West Bank 13+00 - 16+00

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	20+00	A-9	Roadway Agg		X	
2		A-11	Erosion Control		X	
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No accidents or incidents to report today — November 13, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CLIENT: ARCO | DATE: 11-13-90

CLIENT: Sinclair Refinery, Wellsville | PE/PS:

JOB NO: 88-093 | LOCATION OF WORK: East and West Banks

ACTIVITY: W. Bank

#606 (Place Roadway Aggregate on W. Bank Dike)
- Placed Roadway Agg from Sta 19+00 - 22+31.59.
- The Roadway Aggregate will be checked for grade by the surveyors and then cut to grade upon completion of all activities on the Dike.

#802 (Site Clean-up)
① Final graded
- unsuitable stockpile
- CELA compound
- Topsoil stockpile
- Area behind the W. Bank Dike
② Surveyed and cut to grade the drainage swale on the inside of the W. Bank Dike
③ Removed and filled in River Rd Sump
④ Pulled Roadway aggregate out from in between Rip Rap sta 5+00 - 11+00 : Komatsu PC 200 8hrs
⑤ Picked up any trash and construction materials

E. Bank

#702 (Backfill E. Bank Common Fill Area)
- Started placing imported Pit Run from Alfred Atlas for Ebasco. All activities are based on Time & Material.

T&M 1 815B compactor 10.5 hrs
1 operator 10.5 hrs No lunch

#802 (Site Clean-up)
- Dress up damaged Trees and/or limbs for painting.
- Picked up any trash and construction materials

941

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-9
SHEET ____ OF ____

AGGREGATE-SURFACED ROADS

INSPECTION DATE 11-13-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- AGGREGATE FREE FROM DIRT AND OTHER OBJECTIONABLE MATTER.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- SUBGRADE IS HARD AND NONYIELDING	X		
- IN-PLACE LOCATION AND THICKNESS OF ROADS IS AS SHOWN ON CONTRACT DRAWINGS	X		
- ELEVATION OF TOP OF ROAD IS WITHIN 0.05 FOOT FROM GRADE, PROFILE AND CROSS SECTIONS SHOWN ON CONTRACT DRAWINGS.			
3. DUST CONTROL			

ACTION TAKEN: _____

4. ROADS LOCATION

DIKE STATIONS 19+00 TO 22+31.59

5. REMARKS Roadway aggregate will be cut to final grade upon completion of all activities on the dike.

INSPECTOR _____ DATE 11-13-90

REVIEWED BY _____ DATE 11.26

FORM A-11
SHEET ____ OF ____
INSPECTION DATE 11-13-90

EROSION AND SEDIMENT CONTROL

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	____	____	X
2. PLACEMENT			
- SILT FENCES, HAY BALES AND OTHER EROSION CONTROL MEASURES ARE INSTALLED AS SHOWN ON CERTIFIED EROSION AND SEDIMENT CONTROL PLAN.	____	____	X

3. LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES.

DIKE STATION 5+00 5+50 TO 1+50 17+00

OTHER _____

4. REMARKS The drainage swale on the inside of the W. Bank Dike was cut to grade. AT sta 5+50, water will flow south to sta 17+00 AT sta 5+00, the water will flow North to the culvert at sta 1+50

INSPECTOR [signature] DATE 11-18-90

REVIEWED BY [signature] DATE 11:26

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 13, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	7:00 / 12:33	12:59 / 5:45	
C-3 P. Porter	6:32 / 7:18	7:40 / 8:10	8:28/12:00
C-4 A. Muellerleile	7:20 / 8:10	8:28 / 11:17	12:30/ 2:07 2:42/6:03
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	9:19 / 11:55	12:12/ 3:41	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:29 / 1:52	2:09 / 2:20	2:37/ 5:19
C-12 C. Mckim	6:41 / 7:12	7:47 / 1:54	2:36/ 5:16
C-13 G. Reid	/	/	
C-14 N. Tracy	6:49 / 7:12	4:28 / 5:16	
C-15 G. Maichele	6:35 / 6:37	6:53 / 7:12	5:46/ 5:53
C-16 S. Hunt	6:33 / 6:37	6:53 / 7:12	8:10/8:18 11:39/11:59 12:12/12:35
C-17 P. Smith	/	/	1:04/1:54 2:36/3:01 4:28/5:16 5:46/5:49
C-18 R. Bartels	9:19 / 11:55	12:12 / 3:41	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	5:45 6:00 / 10:04	10:30 / 1:12	2:11/
E-2 ~~T. Granger~~ J. Lane	7:40 / 12:17	12:53 / 2:48	3:15/ 5:01
E-3 S. Stiles	10:30 / 1:12	2:11 /	
E-4 C. Swann	6:54 / 12:17	12:53 / 1:34	2:27/ 4:16 4:54/
E-5 E. Casey	7:13 / 6:06	/	
A-6 R. Colleton	9:01 / 11:07	1:58 / 1:56	
~~A-1~~ 5-8 D. Simpadian	12:27 / 6:07	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:50 / 12:30	/	
5-6 ~~C/E-2~~ M. Hrywnak	11:05 / 12:30	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	11:40 / 11:41	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:00	/	
S-4 T. Cobb	200 / 6:30	/	
S-5 A. Fox	1:52 / 11:53	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 13, 1990

No./Name	Time In/Out	Time In/Out	Remarks
A-2 D. Rall	6:32/12:06	12:39/5:39	OHM
A3 M. Miller	6:32/12:06	12:39/5:38	
A4 J. Facio	6:45/12:06	12:45/5:13	
A5 J. Lovewell			
C/E-7 A. Gonzales	6:45/9:05	3:25/3:47	4:18/5:13
C/E-8 S. St. Martin	6:45/9:05	3:25/5:13	
E-6 N. Durovich	6:32/12:06	12:41/1:14	
C/E-3 D. Tingue	7:12/9:54	11:12/11:13	2:20/3:30 Meyers
C/E-4 R. Crooks	7:12/9:54	11:12/11:13	2:20/3:30 Landscaping
Jim Ball S-4	7:35/7:48	11:36/12:10	Ball Land Survey
Boyd Green, Jr	7:50/8:04	9:19/9:27	10:56/11:10
Clint Perry	8:00/8:17	9:30/9:41	10:43/10:52 11:57/12:06 Alfred Atlas
Jerry Lewis	8:00/8:17	9:31/9:41	10:43/10:54 11:57/12:06 "
Ron Johnson	8:00/8:17	9:31/9:41	10:43/0:00 "
Billy Fitzmyer	8:21/8:44		Mills Transport
Deans Septic Serv.	9:03/9:27		
UPS	10:11/10:14		
Charlie Baker	10:33/11:05	2:06/2:19	2:40/4:35
Calligan Water	10:43/10:53		
Don Wartinger K-6	10:56/12:35		Empire Soils
Rick Scutt	11:42/12:17		Shorts Oil Co.
Jim Brewnell	11:47/11:51	12:56/12:57	Otis Eastern
Dick Neely	1:22/2:34		
[redacted]			
Fed Ex	2:36/2:42		2pc delivery / 3pc. pickup
UPS	4:16/4:18		2pc. pickup

P. Porter
G. Stiles
S. Stiles
C. Swann
} Still working

RECEIVED
NOV 19 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-13-90 DAY: TUESDAY HRS.WRK. 10 REPORT NO. 33

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. 1

F.E/I_____ P.M._____

H&SO_____ HOP_____

C/SE_____ "_____

P.M._____ "_____

HOP_____

"_____

"_____

ARCO P.M._____

OTHERS_____ SUB._____

"_____ SUPV._____ EMPS_____

USCOE/EPA_____ SUB._____

"_____ SUPV._____ EMPS_____

VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 3

Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
400	9	1		
235	9	1		
D-6	9	1		
D-3	9	1		
2 Dump Trk.	9	1		
Others				
"				
"				
"				
"				

MEETINGS:
PLAN OF DAY Continue SLA Removal to Wastpile

SAFETY 0700-0720

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)
TESTFILL CONSTRUCTION

SLA EXCAVATION: 1818

WASTEPILE CONSTRUCTION: 1818

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	_____
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	_____	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAYMAX	CY	_____	EQUIP. FUEL&LUBE	GAL	209.0
MISC.	____	_____	MISC.	____	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	_____	_____
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 12, 1990

Arrived at 6:20 a.m. Cold, 28 degrees - high wind, to 65 mph in some areas with three inches of snow at site.

Plan of day:

Canonie
* Fine grade east bank.
* Place rip rap in voids and low areas.
* Shape inside slopes of west dike.

OHM
* Excavate SLA.
* Construct test fill.

Doug Meyers
* Set grid stakes
* Topo common fill areas.

EBASCO Tech.
* Monitor air quality
* Take soil samples.

Hittman
* Test soil samples.

Liner Tech.
* Cover waste pile with PVC.
* Install HDPE over test fill Sect. #4.

Pete and Alan, Canonie, wanted to know about the decision on the common fill area, as they plan to place T/S there today. And, it will delay them if they have to wait beyond today. They, also, want to know about dike extension bid. I told them they were not short listed due to price, and there was no need to delay demobilization of equipment and personnel.

Asked Alan, Canonie, to give me an estimate to spread furnished material. (approximately 1,200 c.y.)

Called Vinu and discussed what options we have at the common fill area.

Vinu called regarding moving material and frost gages and gas monitors. I told him I was not aware of any problems that we have not known about for sometime and we are addressing them. He said the frost gages and gas monitoring are Retec/Geo Comp.'s responsibility, and he will call Tom Clark.

Asked Pete for information on freeze thaw test that was conducted on the rip rap.

I called Otis/Eastern about renting a backhoe, he has a 235 with excav. bucket. He will rent for $500.00 per day. We will get it in the morning.

John Boes and Mark Kravetz, OHM, came. We discussed items on their bid proposal. They have a fairly good understanding of the work.

Dave D., Canonie, left Friday evening and will be gone until after Thanksgiving.

Ordered 1000 cy of pit run for common fill area of east bank.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 12, 1990

Arrived at 6:50 a.m.

Plan For Day

Canonie

* Demobe backhoe and loader
* Grade east side in preparation for seeding
* Spread and grade roadway aggregate on west side

OHM

* Haul SLA material to test fill and storage area.

Field Observations and Activities:

Canonie

* Wet conditions precluded most grading activities.
* Received three loads rip rap on east side and one on west side and completed rip rap placements.
* Received, dumped, spread and graded road aggregate on west dike.

OHM

* Attempted truck haul of SLA material to test fill. Conditions very wet after intermittent rain on Saturday, Sunday, and Monday. Shut down after several loads due to deep rutting and inability of dozer to spread.
* Commenced hauling to designated storage area adjacent to CELA without control because of high moisture content. Objective is to move material out of SLA to allow sampling and testing to proceed along with dike extension.

Meyer

* Completed level measurements on settlement plates.

Hittman-EBASCO

* Calibrated equipment and tested on site material.

Left site at: 7:10p.m.

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11-12-90 DAY: MON. HRS.WRK. 10 REPORT NO. 32

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION: SNOW HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I 0 SUPT._____

H&SO 1 ENG._____

C/SE 1 LABOR_____

P.M. 0 OPER._____

HOP 1 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M._____ ENG._____

OTHERS _____ LABOR_____

" _____ OPER._____

USCOE/EPA_____ OTHER_____

"

VISITORS HITTMAN EBASCO - 1

EMPIRE - 1

SURVEYOR_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe		SEE		
Compactor				
Compactor		OHM		
Dump Trk.				
Dump Trk.		REPORT		
Others				
"				
"				
"				
"				

ECL - 11/12/90

MEETINGS:

PLAN OF DAY OHM: EXCAVATE SLA MATERIAL

SAFETY FOLLOW INSTRUCTIONS OF A&S OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION: SEE OHM

WASTEPILE CONSTRUCTION: SEE OHM

OTHER: SEE CANONIE

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	ϕ
SLA EXCAVATION		
GEOWASTE MATERIAL	CY	6
CANTAMINATED WASTE	CY	1044
CLEAN	CY	ϕ
MISC.	CY	ϕ
MISC.	___	

TYPE	UNIT	EST.QTY.
TESTFILL CONST.	CY	ϕ
AGGREGETES	TON	
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	TON	
GEOTEXTILE FAB	SY	
CAYMAX	SY	
GEOMEMBRANE	SY	
MISC.	___	
"	___	
"	___	
"	___	
"	___	

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
AGGREGATES	CY	
CLAYMAX	CY	
MISC.		
MISC.		

TYPE	UNIT	EST.QTY.
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	CY	
GEOMAMBRANE	SY	
EQUIP. FUEL&LUBE	GAL	
MISC.		
MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.	___			

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI- 11/12/90

REPORT NUMBERS
SEE OHM REPORT Attached report required by Contract document
" " " " " "
" " " " " "
" " " " " "
" " " " " "

COMMENTS WORK COULD NOT PROCEED DUE TO HEAVY SNOW DURING THE DAY AND ACCUMULATION IN THE MORNING

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In:_____ Emps. Out:_____
Equipment: In:_____ Out:_____
Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2					

Accident/Breeches Report:_____

RECEIVED
NOV 2 7 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 11-12-90 DAY: Monday HRS.WRK. 8 REPORT NO. 126

WEATHER INFORMATION:

TEMPERATURE: High 36 Low 30 WIND: Mph. — Dir. —

PRECIPITATION: 3" Snow (Sunday Night) HUMIDITY: — RIVER EL: AM — PM —

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S.

	F.E/I	1	R.E. 1
	H&SO	1	P.E. 1
	C/SE		QCM
	P.M.		H&SO
	HOP	4	P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS			CANONIE SUB. Aer Surveyors
"			SUPV. EMPS. 2
USCOE/EPA		1	SUB.
"			SUPV. EMPS.
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor Equip. Oper. 5
Truck Drivers Others

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	Released			
" D-6	8			
Hydro Seeder		Stand by		
" 12G	8			
(Sheep) Compactor		Stand-by		
(Smooth) "	8			
Canonie Wtr. Trk		OFFSITE For Repairs		
Hertz Wtr. Trk		Standby		
(E. Bank) Cat 235	Released			
Komatsu PC 200	2	Standby		
Generator / Steam Genny				
1/2 ton pickup	8			
Mechanic Trucks	85			

MEETINGS:

PLAN OF DAY Place Rip Rap on E. Bank. Spread topsoil on inside slope of W. Bank Dike. Place Roadway aggregate

SAFETY Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #607 (Topsoil and seed W.Bank AREAS)
#606 (Construct W. Bank Roadway)

EAST BANK #707 (Backfill E. Bank Commercial Area)
#705 (Place E. Bank Rip Rap Protection)

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	E. Bank 44.9 W. Bank 22.5
OIL STAIND	CY		ROAD AGGRTS	~~SY~~	185.48 tons
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	92.21
CLAY FILL	CY		ROAD AGGRTS.	TON	185.48
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS	1000		
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY
235 Hoe	✓	No	Robert Cook
963 loader	✓	No	Robert Cook

FIELD ENGINEERING ACTIVITIES: (surveyors)

OFFICE Comps and As-built's

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	E. Bank	A-8	Rip Rap		X	
2	18+00	A-9	Roadway Agg.		X	
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

	Attach report required by Contract Document					

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No accidents or incidents to report today — November 12, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

CLIENT: Pete Porter ARCO

DATE: 11-12-90

CLIENT: Sinclair Refinery, Wellsville

PE/PS:

JOB NO: 88-093

LOCATION OF WORK: East and West Bank

ACTIVITY: W. Bank

#607 (Topsoil and Seed W. Bank AREAS)
- spread topsoil on inside slope of Site
sta 8+50 - sta 11+00

#606 (Construct W. Bank Roadway)
- Placed Roadway Aggregate from sta 17+00 - 19+00. Roadway Agg was placed high and will be cut to grade upon completion of the road.

E. Bank

#707 (Backfill E. Bank Commonfill Area)
- Shape E. Bank commonfill Area to drain.
- Ebasco Notified Canonie that Ebasco will import pit run from Alfred Atlas to complete the backfilling of the E Bank Commonfill Area. Canonie was asked to give Ebasco rates to Complete the Backfill of the E Bank Commonfill AREa by Time and material. Ebasco will start hauling in Pit run for Backfill on Tuesday 11-13-90

#705 (Place E. Bank Rip Rap Protection)
- Finished Reworking Rip Rap for final Acceptance.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-9
SHEET ____ OF ____

AGGREGATE-SURFACED ROADS

INSPECTION DATE 11-12-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- AGGREGATE FREE FROM DIRT AND OTHER OBJECTIONABLE MATTER.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- SUBGRADE IS HARD AND NONYIELDING	X		
- IN-PLACE LOCATION AND THICKNESS OF ROADS IS AS SHOWN ON CONTRACT DRAWINGS	X		
- ELEVATION OF TOP OF ROAD IS WITHIN 0.05 FOOT FROM GRADE, PROFILE AND CROSS SECTIONS SHOWN ON CONTRACT DRAWINGS.			
3. DUST CONTROL			

ACTION TAKEN: _____

4. ROADS LOCATION

DIKE STATIONS 17+00 TO 19+00

5. REMARKS Roadway aggregate will be cut to grade upon completion of Road

INSPECTOR _____ DATE 11-17-90

REVIEWED BY ~~AAA~~ DATE 11.26

P RAP

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 11-12-90

	ACCEPT	REJECT	N/A
MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3,-0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 0+00 TO 19+25

5. REMARKS Rip Rap has been Reworked and Cannic QA/QC has approved all E. Bank Rip Rap for Final acceptance

INSPECTOR _____ DATE 11-17-90

REVIEWED BY _____ DATE 11.26

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 8, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	3:51 / 15:53	/	
C-3 P. Porter	7:14 / 7:45	8:13 /	
C-4 A. Muellerleile	7:16 / 7:53	8:29 / 8:42 9:09/10:26 12:44/1:11 2:11/2:33	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	7:06 / 8:00	8:12 / 8:24	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:30 / 8:11	8:23 / 8:26 8:45/8:59 9:04/9:54 10:23/12:50	
C-12 C. Mckim	6:30 / 7:26	11:66 / 12:50 1:36 / 3:33	
C-13 G. Reid	/	/	
C-14 N. Tracy	6:48 / 7:28	5:19 / 5:21	
C-15 G. Maichele	6:37 / 6:40	6:58 / 7:34 8:10/8:18 10:59/11:58 12:14/1:38	
C-16 S. Hunt	6:37 / 6:40	6:58 / 7:34 8:10/8:18 8:55/8:58 10:59/11:58	
C-17 P. Smith	/	/	
C-18 R. Edwards	/	/	
C-19 R. Bartles	7:06 / 8:00	8:12 / 8:24	
C-20	/	/	
E-1 G. Stiles	6:23 / 11:53	12:51 /	
E-2 T. ~~Granger~~ Yoshinski	/	/	
E-3 S. Stiles	12:51 /	/	
E-4 C. Swann	6:44 / 12:25	1:44 / 3:19 4:65 /	
E-5 E. Casey	7:17 / 12:07	12:52 / 6:05	
~~E-6~~ D. Simpadian			
E-9 A-1 ~~E-6~~ J. Lane	7:26 / 12:07	12:52 / 5:07	
A-2 S-6 T. Wollen	/	/	
A-4 S-9 R. Colleton	8:24 / 11:51	2:22 / 2:35 2:47/3:14	
C/E-1 D. Stubbs	9:35 / 12:30	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 12:00	/	
S-4 T. Cobb	1:50 / 6:30	/	
S-5 A. Fox	2:57 / 2:51	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: _____

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	/	/	
C-4 A. Muellerleile	5:13 / 5:39	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	1:00 / 3:31	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	2:00 / 3:49	/	
C-16 S. Hunt	12:14 / 1:38	2:00 / 3:49	
C-17 P. Smith	/	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 19, 1991

No./Name	Time In/Out	Time In/Out	Remarks
A-2 R. Rall	3:16/5:54		
A-3 M. Miller	6:35/5:54		
A-4 J. Facio	6:41/12:16	12:52/5:57	
A-5 J. Lovewell	~~6:41~~		
C/E-7 A. Gonzales	6:41/7:33	7:58/3:29 4:01/5:51	
C/E-8 S. St. Martin	6:41/12:16	12:52/5:51	
~~C/E-6~~ N. Durovich	6:35/12:39	1:09/5:51	
C/E-3 D. Tingue	7:09/11:06	3:08/3:35	
C/E-4 R. Crooks	7:09/11:06	3:08/3:35	
E-10 B. Olszewski			
C-20 J. Marr			
Fayette Trucking	8:23/8:26		
"	8:23/8:26		
"	8:23/8:26		
Pattons Busy Bee	8:47/9:14		
Tom Gowan	8:57/10:51		Beam Clean
Boyd Green JR C-20	9:05/9:19	11:21/11:58 12:56/1:23 2:18/2:42	
Rob Hall	9:49/9:54	2:26/2:40	Spin Rite
UPS	10:07/10:09		
Brian Ennis	10:46/10:58	12:02/12:19 1:09/1:22 2:20/2:55	Mills Transport
J. Bose	12:02/5:57		OHM
M. Kravitz	12:02/5:51		OHM
Charlie Baker	12:04/12:34	1:14/1:50 2:46/3:10 3:35/4:14	
Dale Zanders	12:43/1:14		Shorts O:1 Co.
DHL Worldwide	1:19/1:21		
Fed Ex	1:45/1:48		
Jim Rafter	2:26/2:40		Spin Rite
UPS.	4:10/4:10		
P. Porter			
G. Stiles			
S. Stiles		Still working	
C. Swann			

Canonie

By Pete P Date 11-18-90 Subject Weather Sheet No. 1 of 1

Chkd. By MP Date 11/18/90 Sinclair Refinery Proj. No. 88-093

1/4" X 1/4"

Date	High (°F)	Low (°F)	Precipitation (in.)	
10-25-90	48°	38°	0.03	
26	40°	28°		
27	60°	22°		
28	42°	36°	0.28	
29	50°	29°		
30	70°	25°		
31	71°	39°		
11-1-90	73°	48°		
2	73°	39°		
3	75°	46°		
4	72°	45°		
5	66°	42°	0.28	
6	44°	38°	0.08	
7	42°	35°	0.05	
8	42°	24°		
9	44°	22°	0.62	
10	40°	36°	0.02	
11	41°	31°	0.12	Snow

RECEIVED
NOV 19 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-12-90 DAY: Mon HRS.WRK. 10 REPORT NO. 32
WEATHER INFORMATION:
TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____
PRECIPITATION:_____ HUMIDITY:_____
PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. 1
F.E/I_____ P.M._____
H&SO_____ HOP_____
C/SE_____ "_____
P.M._____ "_____
HOP_____
"_____
"_____
ARCO P.M._____
OTHERS_____ SUB._____
"_____ SUPV.____ EMPS____
USCOE/EPA_____ SUB._____
"_____ SUPV.____ EMPS____
VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 3
Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
400 Truck hoe	9	1		
235 " "	9	1		
06	9	1		
03	9	1		
Dump Trk. 2	9	1		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY 1 SLA Removal to Wastepile

SAFETY 0700 - 0730

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION: 1044

WASTEPILE CONSTRUCTION: 1044

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	_____
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	_____	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAYMAX	CY	_____	EQUIP. FUEL&LUBE	GAL	1760
MISC.	___	_____	MISC.	___	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	_____	_____
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 11, 1990

Sunday -

No work scheduled for today. I arrived at 8:00 a.m. to inspect the site. The high wind during the night (up to 50 mph) blew the cover off Canonie's mulch material. I had happened after the rain. I put it back and tied it down.

West bank area ok

East bank area ok

The river is up about three feet.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 10, 1990

Arrived at 6:30 a.m.
Received 1" rain - 36 degrees with high winds 30 to 40 mph.
Plan of Day:

Canonie
* Clean up equipment for off-site shipment.
* Dewater ponded areas.

OHM
* Excavate SLA waste.
* Construct test fill (If trucks can make hill).

EBASCO Tech.
* Take soil samples.
* Monitor air quality.

Hittman
* Test soil samples.

Canonie's people quit work at 10:30 a.m. due to high winds, temperature and rains.

EBASCO Tech. worked until 3:00 p.m.

Hittman worked until 2:30 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
NOVEMBER 10, 1990

Plan of Day:

Canonie

* Wash backhoe and loader. No other field work because of wet conditions.

OHM

* Excavate S.W. area of SLA and consolidate into one stockpile. Build berm around SLA stockpile.
* No hauling of SLA material due to wet conditions.

Field Observations and Activities

Canonie

* No work due to wet conditions.
  Walked west dike area with Stub and noted progress on punch list items identified on 11-8-90.

OHM

* No hauling due to wet conditions. Excavated contaminated soil from S.W. corner of SLA and consolidated same into main pile. Built berm around main pile. Sent crews home at 12:00 p.m.

Meyer

* No work this day as scheduled.

Empire

* No work this day as scheduled.

Hittman/EBASCO

* Calibrated equipment.

Left site at 6:00 p.m.

RECEIVED
NOV 1 4 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11-10-90 DAY: SAT. HRS.WRK. 10 REPORT NO. 31

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I Ø SUPT._____

H&SO 1 ENG._____

C/SE 1 LABOR_____

P.M. Ø OPER._____

HOP 1 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. Ø ENG._____

OTHERS Ø LABOR_____

" _____ OPER._____

USCOE/EPA Ø OTHER_____

"

VISITORS Ø

SURVEYOR Ø

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe		SEE		
Compactor				
Compactor				
Dump Trk.		OHM		
Dump Trk.				
Others				
"		Report		
"				
"				
"				

MEETINGS:

PLAN OF DAY OHM: Excavate and stockpile SLA Material.

SAFETY Follow Instructions of H&S Officer

SCHEDULED None

UN-SCHEDULED None

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION None

SLA EXCAVATION: See OHM

WASTEPILE CONSTRUCTION: See OHM

OTHER: See Canonie

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	ϕ
SLA EXCAVATION		
GEOWASTE MATERIAL	CY	ϕ
CANTAMINATED WASTE	CY	ϕ
CLEAN	CY	ϕ
MISC.	CY	ϕ
MISC. EXCAVATE & STOCKPILE SLA MATERIAL	CY	1000

TYPE	UNIT	EST.QTY.
TESTFILL CONST.	CY	ϕ
AGGREGETES	TON	
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	TON	
GEOTEXTILE FAB	SY	
CAYMAX	SY	
GEOMEMBRANE	SY	
MISC.		
"		ϕ
"		
"		
"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
AGGREGATES	CY	
CLAYMAX	CY	
MISC.		
MISC.		

TYPE	UNIT	EST.QTY.
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	CY	
GEOMAMBRANE	SY	
EQUIP. FUEL&LUBE	GAL	
MISC.		
MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI- 11/10/90

REPORT NUMBERS

See OHM Report — Attached report required by Contract document

" " " " " "

" " " " " "

" " " " " "

COMMENTS NONE

TECHINICAL CONCERNS/PROBLEMS:

NONE

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod	10	60
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 10 Emps. Out: 10

Equipment: In: Out:

Venders Equipment: In: Out:

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2					

Accident/Breeches Report:

RECEIVED
NOV 16 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 11-16-90 DAY: Saturday HRS.WRK. 4 REPORT NO. 125

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM ____ PM ____

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. ____

	F.E/I 1	R.E. 1
	H&SO 1	P.E. 1
	C/SE ____	QCM ____
	P.M. ____	H&SO ____
	HOP 3	P.M. ____
	" ____	P.SEC ____
	" ____	HOP ____
ARCO	P.M. ____	" ____
OTHERS	____	CANONIE SUB. ____
"		SUPV. ____ EMPS. ____
USCOE/EPA	2	SUB. ____
"	____	SUPV. ____ EMPS. ____
VISITORS	See Security log	

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 5

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	2			
" 963	Released			
" D-6	2			
Hydro Seeder		Stand by		Weather
" 12G		Stand by		Weather
(Sheep) Compactor		Stand by		Weather
(Smooth) "		Stand by		"
Canonie Wtr. Trk		Offsite for Repairs		
Hertz Wtr. Trk	4			
(E. Bank) Cat 235	Released			
Komatsu PC 200		Stand by		Weather
Generator / Steam Genny		"		"
1/2 ton pick-up	4			
Mechanic Trucks	4			

MEETINGS:

PLAN OF DAY Wash, clean and Repair anything broken on the 235 Haw and the 963 loader

Preparer 235 Haw and 963 loader for Pickup on Monday 11-12-90

SAFETY Wear eye protection when working equipment

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK None Weather

EAST BANK

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		▪		
TOE TRENCH EXCAV.			▪		
CLEAN MATRL.	CY		▪		
WASTE MATRL.	CY		▪		

MATERIALS RECEIVED: None

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
▪				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY
963 loader	X	No	
235 Hoe	X	No	

PAGE ___ OF ___

FIELD ENGINEERING ACTIVITIES: (surveyors)

None

QA/QC ACTIVITIES: N/A

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

November 10, 1990

Secured at 1:00 PM [redacted], E-1, E-5, E9, S-9 still aboard
By P. Porter at 1:00pm.

A. La Fay

PAGE: 6 OF

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 10 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	6:46 / 10:00	10:40 / 12:58	
C-4 A. Muellerleile	8:30 / 5:58	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:29 / 8:39	10:39 / 10:53	
C-12 C. Mckim	6:37 / 7:10	10:54 / 11:00	
C-13 G. Reid	6:42 / 7:11	10:40 / 10:53	
C-14 N. Tracy	6:45 / 7:03	9:25 / 9:30	10:58 / 11:00
C-15 G. Maichele	6:45 [redacted] / 7:30	10:55 / 11:10	11:41 / 11:55
C-16 S. Hunt	6:46 / 7:19	9:03 / 9:29	10:55 / 11:10 11:41 / 12:27
C-17 P. Smith	6:40 / 7:09	10:40 / 11:00	
C-18 R. EDWARDS	/	/	
C-19 R. BARTLES	/	/	
C-20	/	/	
E-1 G. Stiles	6:30 / 5:00	9:59 / 11:44	12:39 /
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4 C. SWANN	6:58 / 12:31	/	
E-5 E. CASEY	7:20 /	/	
E-6 D. SIMPADIAN			
[redacted] E-9 J. LAIDE	7:09 / 7:34	10:00 /	
[redacted] S-6	/	/	
[redacted] S-9 R COLLETON	8:40 / 11:04	4:52 /	
C/E-1 D. Stubbs	9:44 / 11:30	/	
~~C/E-2~~ S-6 M HRWYNAK	10:00 / 12:00	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	6:00 /	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: 20 NOVEMBER 90

No./Name	Time In/Out	Time In/Out	Remarks
A-3 M. MILLER	6:37/12:30		
A-4 J. FACIO	6:49/11:55		
A-5 T. HOWELL	6:49/11:55		
A-6 S. ST MARTIN	6:49/11:55		
A-8 N. DUKOVICH	6:37/12:30		
CHARLIE BAKER	10:30/11:52		

RECEIVED
NOV 14 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-10-90 DAY: Saturday HRS.WRK. 5 REPORT NO. 30

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. 1

F.E/I_____ P.M._____

H&SO_____ HOP_____

C/SE_____ "_____

P.M._____ "_____

HOP_____

"_____

"_____

ARCO P.M._____

OTHERS_____ SUB._____

"_____ SUPV._____ EMPS_____

USCOE/EPA_____ SUB._____

"_____ SUPV._____ EMPS_____

VISITORS_____

MANUAL OHM Gen. Labor 2 Equip. oper. 2

Truck drivers 0 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
K-400	5	5		
D-6	5	5		
D-3	1	4		
Dump Trk.	0			
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Removed corner of SLA where water was contained to the limit - put up barrier fence ~~up~~ near the water ponds

SAFETY 0700 - 0715

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION 0

SLA EXCAVATION:

WASTEPILE CONSTRUCTION:

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	_____
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA EXCAVATE &	CY	_____	MISC.	___	_____
MISC. STOCKPILE	CY	1000	"	___	_____
SLA MTL			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAYMAX	CY	_____	EQUIP. FUEL&LUBE	GAL	_____
MISC.	___	_____	MISC.	___	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____ Attached report required by Contract document

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	_____	_____
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 9, 1990

Arrived at 6:05 a.m.
Plan of Day:

Canonie
* Fine grade & complete east bank.
* Place rip rap on slopes - west bank.
* Shape inside slopes - west bank.

OHM
* Excavate SLA waste.
* Construct test fill.

Doug Meyers
* Check settlement plates.
* Topo test fill pile.

EBASCO Tech
* Take soil samples.
* Monitor air quality.

Hittman
* Test Samples

Liner Tech.
* Start PVC over waste pile.
* Lay geomembrane over clay max.

Dave D., Canonie, requested to release Frank G., Phil, and Kurt E., and the 235 hoe #2, and the 963 loader. The other people and equipment will phase out over the next two weeks.

Nick Durovich, OHM Supervisor, arrived today.

Dave D., Canonie, said they have verbal approval from Harold Short to cross his property as long as they grade out the ruts. I explained the risk involved without written & signed approval for crossing his property and leaving logs. EBASCO and Canonie will be leaving this area when our work is complete, but ARCO will still be responsible for anything we leave. It is not good judgement to <u>not</u> obtain written permission for any dealings you may have with the adjoining land owners.
Nick, OHM, said the ramp was breaking up, and is almost impassable. After looking at it, I ordered eight loads of clay/rock.

Allan Marr and Bill O., Geo.Comp., were on site to pull their transmitter cable from the support area to the t/f.

Steve Shaffer, Hittman/EBASCO, called to see how they were doing. I told him the on-site lab and tech. were doing a good job, but I had some concerns with the turn around time for the ROD sample that had been sent to the main lab. I need results by Monday of next week. He will check on the status and get back with me.

Mark K, OHM, was inquiring about the dike extension bid. I told him no decision had been made. He said he and John Boes will be on site Monday.

Alan M., Canonie, gave me a letter of approval to cross property. It was signed by Frank Short.

Betsy Pickral, Hittman/EBASCO, called. She said it will take two weeks for results of ROD samples. This is not acceptable.

Geo Comp completed hooking up their monitoring equipment and left around 5:30 p.m.

I told Pete P., Canonie, that he would have to get another letter signed by Harold Short. He said he would.

Dave D., Canonie, left for a week vacation. Pete Porter is in charge.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
NOVEMBER 9, 1990

Plan of Day:

Canonie

* Grading in preparation for seeding and mulching east side.
* Complete rip rap east and west sides.
* Receive road aggregate, spread and grade.
* Spread and trackwalk topsoil on west dike slope.

OHM

* Excavated SLA; hauled and placed material on test fill. Spread, graded and systematically track walked section 4 at north end of test fill in one 18 inch thick lift in preparation for installation of clay max sheeting.
* Remainder of stage 1 fill will be placed in a single 2 ft. lift extending from section 4 south. (High moisture content of SLA soils prohibits trafficability of heavy haulers in lifts greater than 18 inches. Trucks are able to track between settlement plates through sections 1, 2, and 3 to dump at north end. Material is then spread in a single 2' lift to complete stage 1. At end of day the 2' lift was completed to middle of section 3 and proceeding well.

Meyer

* Performed level surveys on settlement plates and worked up data.

Empire

* Took 5 nuclear and 1 sand cone density in sections 2, 3, 4 of test fill.
* Collected bulk sample from test fill for new proctor

Geo Comp.

* Bill Olszenski and Allan Marr on site to wire piezometers, thermisters for remote readout in Boston Office. Mr. Marr reported that all installments were working properly at shift end.

Hittman/EBASCO

* Performing on site testing services as required.

Empire

* Took three nuclears and three sand cone in SLA material. Moisture contents of over 100% were obtained. Moisture samples taken to home lab for controlled oven determination to check nuclear.
* Took bulk sample for Proctor #5 and delivered to home lab.

Meyer

* Read settlement plates and staked limits of SLA storage area.

Left site at 7:30 p.m.

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

RECEIVED
NOV 14 1990
EBASCO / ARCO

DATE: 11-9-90 DAY: FRI HRS.WRK. 10 REPORT NO. 30

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I Ø SUPT._____

H&SO 1 ENG._____

C/SE 1 LABOR_____

P.M. Ø OPER._____

HOP 3 OTHER_____

" Ø SUB._____

" SUPT._____

ARCO P.M. Ø ENG._____

OTHERS LABOR_____

" OPER._____

USCOE/EPA OTHER_____

"

VISITORS HITTMAN-EBASCO - 1

GEOCOMP - 2 ; EMPIRE 1

SURVEYOR DOUG MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe		SEE		
Back Hoe				
Compactor				
Compactor		OHM		
Dump Trk.				
Dump Trk.				
Others		REPORT		
"				
"				
"				
"				

ECI - 11/7/90

MEETINGS:

PLAN OF DAY OHM: EXCAVATE SLA WASTE ; PLACE FILL ON TEST FILL
GEOCOMP: INSTALL TESTFILL INSTRUMENT WIRING
DOUG MYERS: CHECK SETTLEMENT PLATE & SAMPLING GRID ELEVS.
EBASCO: OBTAIN SOIL SAMPLES HITTMAN: ANALYZE FOR INDICATOR COMPOUNDS
SAFETY FOLLOW INSTRUCTIONS OF H&S OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION PLACE SLA WASTE ON TEST FILL

SLA EXCAVATION: SEE OHM REPORT

WASTEPILE CONSTRUCTION: SEE OHM REPORT

OTHER: SEE CANONIE REPORT

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	ϕ
SLA EXCAVATION		
GEOWASTE MATERIAL	CY	ϕ
CANTAMINATED WASTE	CY	270*
CLEAN	CY	ϕ
MISC.	CY	ϕ
MISC.	___	

* STOCKPILED

TYPE	UNIT	EST.QTY.
TESTFILL CONST.	CY	444
AGGREGETES	TON	ϕ
SETTLEMENT PLATES	EA	ϕ
OBSERVATION WELLS	EA	ϕ
GEOTEXTILE FAB	SY	ϕ
BEDDING MATERIAL	TON	ϕ
GEOTEXTILE FAB	SY	ϕ
CAYMAX	SY	ϕ
GEOMEMBRANE	SY	ϕ
MISC.	___	
"	___	
"	___	
"	___	
"	___	

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	ϕ
OBSERVATION WELLS	EA	ϕ
AGGREGATES	CY	ϕ
CLAYMAX	CY	ϕ
MISC.		ϕ
MISC.		ϕ

TYPE	UNIT	EST.QTY.
GEOTEXTILE FAB	SY	ϕ
BEDDING MATERIAL	CY	ϕ
GEOMAMBRANE	SY	ϕ
EQUIP. FUEL&LUBE	GAL	
MISC.		
MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.	___			

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI - 11/9/90

REPORT NUMBERS

SEE OHM REPORT # 29 Attached report required by Contract document

" " " " " "

" " " " " "

" " " " " "

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:

PLACING FILL ON TEST FILL IN 1 FOOT LIFTS EXTREMELY DIFFICULT

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

RECEIVED
NOV 14 1990
EBASCO / ARCO

DATE: 11-9-90 DAY: FRIDAY HRS.WRK. 10 REPORT NO. 29

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. /

F.E/I_____ P.M._____

H&SO_____ HOP_____

C/SE_____ "_____

P.M._____ "_____

HOP_____

"_____

"_____

ARCO P.M._____

OTHERS_____ SUB._____

"_____ SUPV._____ EMPS_____

USCOE/EPA_____ SUB._____

"_____ SUPV._____ EMPS_____

VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 2

Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
D3	9	/		
D-6	6	4		
Kom 400	9	/		
Dump Trk.	9	/		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Continue SLA removal to testfill Construction area

SAFETY 0700-0715:

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION 555

SLA EXCAVATION: 744 825

WASTEPILE CONSTRUCTION: 220

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE		TESTFILL CONST.	CY	~~444~~ 555
			AGGREGETES	TON	
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATERIAL	TON	
GEOWASTE MATERIAL	CY		GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY	825	CAYMAX	SY	
CLEAN	CY		GEOMEMBRANE	SY	
SLA	CY		MISC.		
MISC.			" STOCKPILE	CY	270
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	109.0
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	_____	_____
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

RECEIVED
NOV 16 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 11-9-90 DAY: Friday HRS.WRK. 10 REPORT NO. 124

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM ____ PM 4.88'

PERSONNEL: NON MANUAL EBASCO. C.M. 1 CANONIE. P.S. ____

	F.E/I 1	R.E.	
	H&SO 1	P.E.	
	C/SE	QCM	
	P.M.	H&SO	
	HOP 3	P.M.	
	"	P.SEC	
	"	HOP	
ARCO	P.M.	"	
OTHERS		CANONIE SUB.	App Surveyors
"		SUPV.	EMPS. 7
USCOE/EPA	2	SUB.	
"		SUPV.	EMPS.
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 7
Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
Hydro Seeder	10			
" 12G	8			
(Sheep) Compactor		Stand by		
(Smooth) "	8			
Canonie Wtr. Trk		Off site for Repairs		
Hertz Wtr. Trk		Stand by		
(E. Bank) Cat 235	10			
Komatsu PC 200	8			
Generator / Steam Gen		Stand by		
1/2 ton pickup	10			
Mechanic Trucks	11			

MEETINGS:

PLAN OF DAY Place Roadway Agg ; Rework Rip Rap
Place topsoil on inside slopes of W. Bank Dikes
Seed E. Bank Cut Areas

SAFETY Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 607 (Topsoil and Seed W. Bank Areas)
605 (W. Bank Rip Rap protection)
606 (Construct W. Bank Roadway

EAST BANK # 707 (Topsoil and Seed E. Bank Areas)
705 (Place E. Bank Rip Rap Protection)

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	83.47
OIL STAIND	CY		ROAD AGGRTS	~~SY~~	200.71 TONS
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	83.47
CLAY FILL	CY		ROAD AGGRTS.	TON	200.71
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Set Finish Shoulder stakes on W. Bank Dike
from sta 16+00 to 22+31.59
Check offsets on E. Bank.

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	E. Bank Cut	A-10	Seed & Fertilizers		X	
2	E. Bank / W. Bank	A-8	Rip Rap		X	
3	14+00	A-9	Roadway		X	
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No accidents or incidents to report today — November 9, 1990

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending: 11-10-90

Non-Use or Mis-Use of PPE

None

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations

None

Job-Related Illness or Injuries

None

Weather Data 11/5/90 - Cloudy 35-50°F
11/6/90 - Showers 40-50°F
11/7/90 - Pt cloudy - 35-47°F
11/8/90 - Pt cloudy - 30-45°F
11/9/90 - Pt sunny - 20-45°F

Air Monitoring Summary

HNu levels in Canine work areas at background levels from 0-5ppm above background observed downwind of SLA operation on the cleared.

CLOSE-OUT SAFETY REPORT
ARCO - WELLSVILLE

Date: 11-9-90

Unscheduled Medical Exams Related to Site Activities

None as of 11-9-90

Equipment Decontamination Certification (as of 11-9-90)

The D-5 dozer which was used for building the contamination storage pit on top of the CELA was decon'd at the pad (8-29-90). also the 235c trackhoe which left site on 8/24/90. was decon'd at the pad.

Decontamination and Hygiene Facilities and Procedures

Decontamination of equipment was performed with a "steam Jenny" steam cleaner and a water truck with higher pressure capabilities. Equipment contaminated from CELA/SLA/hot zone activities were limited to the D-5 dozer, and the 235c trackhoe (while digging the injection trench).

Date CHSM

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CLIENT: ARCO | DATE: 11-9-90

CLIENT: Sinclair Refinery, Wellsville | PE/PS:

JOB NO: 88-093 | LOCATION OF WORK: East and West Banks

ACTIVITY: W. Bank

#607 (Topsoil & Seed W. Bank AREAS)
- Placed topsoil on the inside slope of W. Bank Dike from sta 9+50 to sta 16+00. Topsoil & seed track walking.

#605 (W. Bank Rip Rap Protection)
- Rework and fill in low spots in Rip Rap for final acceptance

#606 (Construct W Bank Roadway)
- Place Roadway Aggregate from sta 13+00 - sta 17+00 high. Will cut to grade upon completion.

E. Bank

#705 (Place E Bank Rip Rap Protection)
- Rework and fill in low spots in Rip Rap for final acceptance

#707 (Topsoil and Seed E. Bank Areas)
- Seeded & limed E. Bank Cut Area.

* See Inspection Reports for Further Detail.

F-941

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-9
SHEET ____ OF ____

AGGREGATE-SURFACED ROADS

INSPECTION DATE 11-9-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- AGGREGATE FREE FROM DIRT AND OTHER OBJECTIONABLE MATTER.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- SUBGRADE IS HARD AND NONYIELDING	X		
- IN-PLACE LOCATION AND THICKNESS OF ROADS IS AS SHOWN ON CONTRACT DRAWINGS	X		
- ELEVATION OF TOP OF ROAD IS WITHIN 0.05 FOOT FROM GRADE, PROFILE AND CROSS SECTIONS SHOWN ON CONTRACT DRAWINGS.			
3. DUST CONTROL			X

ACTION TAKEN: _____

4. ROADS LOCATION

DIKE STATIONS 13+00 TO 17+00

5. REMARKS Place Roadway Agg above the elevations shown on the contract drawings. Roadway Agg will be cut to grade upon completion of the Road and the topsoiling of the inside slope.

INSPECTOR Pete Ford DATE 11-16-90

REVIEWED BY MM DATE 11.16

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 11-9-90

RIP RAP E. Bank & W. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X	____	____
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X	____	____
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X	____	____
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X	____	____

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION ____—____ TO ____—____

5. REMARKS Rework and fill in low spots on both sides of the River for final acceptance. QA/QC on Rip Rap

INSPECTOR _____ DATE 11-16-90

REVIEWED BY _____ DATE 11.16

SEEDS AND FERTILIZERS

FORM A-10
SHEET ____ OF ____
INSPECTION DATE 11-9-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH SPECIFICATION REQUIREMENTS.	X		
- SEEDS ARE DRY AND FREE OF DAMAGE.	X		
- FERTILIZER IS FREE OF MOISTURE AND LUMPS.	X		
2. PLACEMENT			
- AREA RECEIVING SEEDS AND FERTILIZERS IS SCARIFIED OR LOOSE, AND FREE OF STONES LARGER THAN 6 INCHES.	X		
- PLANTING SEASON IS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND ACCEPTED BY CONSTRUCTION MANAGER.	X		
3. VERIFICATION TESTING			
- 1 TEST SAMPLE FOR EVERY 200 LBS. OF SEED MIXTURE OR 1 SAMPLE FROM EACH LOT WHICHEVER GOVERNS IS TAKEN AND SENT FOR TESTING.	X		
- TEST RESULTS MEET OR EXCEED THE REQUIREMENTS OF THE SPECIFICATIONS.	X		

4. REMARKS Limed and Seeded ½ of the area on the E. Bank cut

INSPECTOR [signature] DATE 11-16-90

REVIEWED BY [signature] DATE 11-16

E. Bank Cut

P. O. BOX 366
BUFFALO, NY 14240

Stanford Seed

MUDDY CREEK ROAD
DENVER, PA 17517

11/9/90

CANONIE MIXTURE

PURE SEED		GERMINATION + H.S.
63.85%	RED FESCUE-CREEPING TYPE CANADA ORIGIN	95%
25.30%	PERENNIAL RYEGRASS	90%
8.99%	WHITE CLOVER VARIETY NOT STATED-NEW ZEALAND ORIGIN	85% + 0%
1.00%	INERT MATTER	
.66%	OTHER CROP SEED	
.20%	WEED SEED	

NET WT. 33#
1/2 ACRE PKG.

BROOKS FARM & HOME CENTER WELLESVILLE, NY 14895
LOT 21037-75941 TEST DATE - OCT, 1990

E. Bank cut

P. O. BOX 366
BUFFALO, NY 14240

Stanford Seed

MUDDY CREEK ROAD
DENVER, PA 17517

11/9/90

CANONIE MIXTURE

PURE SEED		GERMINATION + H.S.
63.85%	RED FESCUE-CREEPING TYPE CANADA ORIGIN	95%
25.30%	PERENNIAL RYEGRASS	90%
8.99%	WHITE CLOVER VARIETY NOT STATED-NEW ZEALAND ORIGIN	85% + 0%
1.00%	INERT MATTER	
.66%	OTHER CROP SEED	
.20%	WEED SEED	

NET WT. 33#
1/2 ACRE PKG.

BROOKS FARM & HOME CENTER WELLESVILLE, NY 14895
LOT 21037-75941 TEST DATE - OCT, 1990

E. Bank Cut

P. O. BOX 366
BUFFALO, NY 14240

Stanford Seed

MUDDY CREEK ROAD
DENVER, PA 17517

11/9/90

CANONIE MIXTURE

PURE SEED		GERMINATION + H.S.
63.85%	RED FESCUE-CREEPING TYPE CANADA ORIGIN	95%
25.30%	PERENNIAL RYEGRASS	90%
8.99%	WHITE CLOVER VARIETY NOT STATED-NEW ZEALAND ORIGIN	85% + 0%
1.00%	INERT MATTER	
.66%	OTHER CROP SEED	
.20%	WEED SEED	

NET WT. 33#
1/2 ACRE PKG.

BROOKS FARM & HOME CENTER WELLESVILLE, NY 14895
LOT 21037-75941 TEST DATE - OCT, 1990

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 9, 1996

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:32 / 7:30	7:36 / 7:48	8:22/8:34 9:06/10:44. 10:24/12:55
C-2 L. Dekker	6:32 / 7:30	7:36 / 7:48	8:22/12:55
C-3 P. Porter	6:45 / 8:06	8:33 / 12:10	12:59/1:36 1:59/5:39
C-4 A. Muellerleile	7:20 / 8:06	8:38 / 9:11	9:26/9:34 10:34/11:15 11:58/12:10
C-5 C. Ettinger	6:56 / 9:06	10:29 / 11:47	
C-6 F. Gontowski	6:50 / 7:22	8:02 / 8:06 12:10	12:59/2:38
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:52 / 11:47	12:14 / 2:01	3:23/3:35
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:46 / 9:19	9:34 / 11:13	11:28/12:31 12:37/12:58 1:52/2:54
C-12 C. Mckim	6:43 / 7:16	11:58 / 1:00	
C-13 G. Reid	6:43 / 12:31	12:37 / 1:30	
C-14 N. Tracy	6:48 / 7:11	/	
C-15 G. Maichele	6:29 / 9:15	11:58 / 12:00	12:24/12:37 4:43/5:03
C-16 S. Hunt	6:34 / 6:35	6:48 / 9:21	11:58/12:00 12:16/12:37 [illegible]
C-17 P. Smith	6:43 / 6:35	6:48 / 7:10	
C-18 R. Edwards	6:56 / 8:58	11:58 / 12:05	
C-19 R. Bartles	6:52 / 11:47	12:14 / 2:01	3:23/3:35
C-20	/	/	
E-1 G. Stiles	6:16 / 11:31	12:26 / 6:19	
E-2 ~~T. Granger~~ T. Yoshinski	7:11 / 10:54	11:12 / 12:02	12:41/3:05
E-3 S. Stiles	12:26 / 6:19	/	
E-4 C. Swann	6:49 / 12:32	1:59 /	
E-5 E. Casey	6:30 / 12:02	12:41 / 1:04	1:20/3:28 3:46/
E-6 D. Simpadian	6:35 / 12:50	1:31 / 5:40	
~~A-1~~ E-9 J. Lane	7:41 / 12:02	12:41 / 5:07	
~~A-2~~ S-6 T. Wollen	8:01 / 12:02	12:41 / 2:19	2:42/3:05
~~A-4~~ S-9 R. Colleton	8:40 / 10:00	2:00 / 3:52	
C/E-1 D. Stubbs	10:05 / 11:08	/	
~~C/E-2~~ S M. Hrwynak	11:32 / 1:46	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:00	/	
S-4 T. Cobb	1:50 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 9, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	/	/	
C-4 A. Muellerleile	12:59 / 1:30	2:33 / 3:03 4:35 / 5:14	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	2:43 / 3:15	4:02 / 5:33	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	/	/	
C-16 S. Hunt	1:29 / 1:37	2:05 / 2:14 3:28 / 3:31 4:43 / 5:11	
C-17 P. Smith	/	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 9, 1990

No./Name	Time In/Out	Time In/Out	Remarks
A-2 D. Rall	7:34/9:03	9:15/9:27	OHM
A-3 M. Miller	7:34/12:06	12:30/6:10	
A-4 J. Facio	6:45/12:06	12:49/4:59	
A-5 J. Lovewell			
C/E-7 A. Gonzales	6:45/1:03	1:37/4:59	
C/E-8 S. St. Martin	6:45/12:06	12:49/4:59	
C/E-6 N. DuRovich	7:34/9:03	9:15/12:06	12:30/6:10
C/E-3 D. Tingue	6:57/10:12	10:20/12:06	12:47/3:32 Meyers
C/E-4 R. Crooks	6:57/10:12	10:20/12:06	12:47/3:32 Landscaping
E-10 B. Olszewski	7:34/9:48	10:08/5:59	Geo Comp
C-20 J. Marr	6:46/6:18		"
Boyd Green Jr.	8:20/8:27	9:48/10:00	10:55/11:03 12:17/12:31 1:40/1:50 2:47/3:02 4:00/4:09 5:17/5:22
Rick Scutt	10:12/10:41		Shorts Oil Co
UPS	10:17/10:18		
Don Waretinger	11:15/1:52		Empire Soils
Boyd Green	12:24/12:39	1:03/1:06	1:25/1:30 1:52/1:56 2:17/2:21 Baker's
John Peekins	12:54/12:57	1:15/1:45	2:05/2:09 2:27/2:32 2:50/2:56 "
Charlie Baker	1:12/1:50		
Tom Gowan C-7	1:13/2:52		Beam Clean
Mrs. Reid	1:25/1:37		
Mrs. Mckim	1:25/1:37		
Hebb Inyfield	2:06/2:09		To see Scott
Fedex	1:40/2:17		4pc delivery/5pc pickup
Boyd Green	2:43/2:49	3:11/3:17	
John Peckins	3:15/3:23		
Mason's delivery	3:57/4:03		1 Box tractor parts
UPS	4:27/4:29		3pc. pickup

C. Swann & still working
E. Casey

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
NOVEMBER 8, 1990

Arrived at 6:05 a.m.

Plan of Day:

Canonie
* Place slope protection east bank.
* Place slope protection west bank.
* Fine grade and clean up east bank.

EBASCO
* Place slope protection west bank.
* Take samples SLA.
* Monitor air quality.

OHM
* Excavate SLA waste.
* Construct T/E.

Meyer
* Layout sample grids.
* Check settlement plates.
* Set settlement monitors around stockpile.

Hittman
* Test samples.

Geo Comp
* Hook up test fill monitoring equipment.

Discuss SLA excavation and T/F construction with Dan R. He will concentrate on cleanup of SLA. Place 1st 1' and 1'6" at Section 1 and stockpile remainder of waste.

Asked Dave D. to pump water out of holding ponds for truck rinse area.

Jim Henessee, City of Wellsville, came by. He had been told by the deputy sheriff that Canonie's water truck had been stopped yesterday after it crossed the Wedrick Rd. bridge. It has a load limit of three ton. I told him I would mention it to Dave.

Weekly progress meeting. (see meeting minutes)

Dave D. had talked with Harold Short, and he wants the logs that are on his property. I told Dave to get a letter from him. He will see what he can do.

Mike Rynack, USCOE, asked when we are going to start sampling the surface. I told him we had been taking samples for three days. He stated he had not witnessed anything but deep ones. Tom Y., John L., and Duran showed him the results and discussed what they had been doing.

Allan Marr came in at 10:45 a.m.

Conducted a final punch list inspection of the west dike. Cal, Stubby, Dave Bingert, Frank G. and Alan M.

Tom G. called, we will continue T/F construction as we discussed. He is going to discuss dike extension with Mike T. this p.m. I suggested we meet with bidders and provide all division I items as EBASCO responsibility. We all ready have the people here for the test fill construction, and could split time. He will discuss with Mike T.

Discussed placing lifts 2 and 3 over section 2,3, & 4 as we back off pad. This would allow us to place this material without having to construct a road along side the pad or on the pad. Surface with imported material and minimal damage to the subsurface and monitoring equipment. (Cal, Allen Marr, Bill Oluski and myself.) Allen will talk with his people Friday, but does not see any reason why we should not do this. He feels the weight of material that is being used is less than what was previously figured, but the additional stone would make up the difference.

Called James Ball survey about land survey. He will have it complete next Monday.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
NOVEMBER 8, 1990

Arrived at: 6:45 am
Plan of Day:
Canonie
* Address punch list items, grade, seed and mulch on east side.
* Top soil scopes and dress rip rap on west side.

Field Observations and Activities:
Canonie
* Correcting rip rap deficiencies identified during punch list inspection.
Performed fine grading from south to north in preparation for seeding and mulching.
* Seed and mulch slope south of station 21+00
* Grading common fill areas on east bank.
* Receiving, spreading and grading road aggregate on top west dike.
* Topsoiling west dike slope.
* Dressing and filling holes in west side rip rap.

OHM
* Excavated SLA material loaded, hauled, dumped and spread same on test fill. M.C. of material very high and material offers no support for rubber tired equipment. Spreading accomplished with widetrack dozer. Careful dozer operation required to protect settlement plate and other instrumentation.

Meyer
* Performed level survey of settlement plates.
* Installed grid stakes in SLA in preparation for EBASCO sampling.

Empire Testing
* Took three nuclear and one sand cone density in sections 1 and 2 of test fill.

Geo Comp Corporation
* Bill Olszewski and Allan Marr on site to wire piezometers, thermisters.

Hittman/EBASCO
* Provided on site chemical testing services.

Left site at 7:00 pm.

RECEIVED
NOV 1 4 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11-8-90 DAY: THURS HRS.WRK. 10 REPORT NO. 29

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I 0 SUPT._____

H&SO 1 ENG._____

C/SE 1 LABOR_____

P.M. 0 OPER._____

HOP 3 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. 0 ENG._____

OTHERS 0 LABOR_____

" _____ OPER._____

USCOE/EPA 1 OTHER_____

"

VISITORS HITTMAN-EBASCO-1

GEOCOMP - 2

SURVEYOR DOUG MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe		SEE		
Back Hoe				
Compactor				
Compactor		OHM		
Dump Trk.				
Dump Trk.				
Others		REPORT		
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY OHM: EXCAVATE SLA WASTE, PLACE FIRST 1 FOOT OF FILL ON TEST FILL
DOUG MYERS: CHECK SETTLEMENT PLATE ELEVS
GEOCOMP: HOOK INSTRUMENTATION WIRING
EBASCO: OBTAIN SOIL SAMPLES, HITTMAN: PERFORM INDICATOR COMPOUND TESTING

SAFETY
FOLLOW INSTRUCTIONS OF H&S OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION PLACED FIRST 1 FOOT OF FILL (PARTIAL) ON TEST FILL

SLA EXCAVATION: SEE OHM REPORT

WASTEPILE CONSTRUCTION: SEE OHM REPORT

OTHER: SEE CANONIE REPORT

ECI - 11/8/90

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	Ø	TESTFILL CONST.	CY	396
			AGGREGETES	TON	Ø
			SETTLEMENT PLATES	EA	Ø
			OBSERVATION WELLS	EA	Ø
			GEOTEXTILE FAB	SY	Ø
SLA EXCAVATION			BEDDING MATERIAL	TON	Ø
GEOWASTE MATERIAL	CY	Ø	GEOTEXTILE FAB	SY	Ø
CANTAMINATED WASTE	CY	396	CAYMAX	SY	Ø
CLEAN	CY	Ø	GEOMEMBRANE	SY	Ø
MISC.	CY	Ø	MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
SETTLEMENT PLATES	EA	Ø	GEOTEXTILE FAB	SY	Ø
OBSERVATION WELLS	EA	Ø	BEDDING MATERIAL	CY	Ø
AGGREGATES	CY	Ø	GEOMAMBRANE	SY	Ø
CLAYMAX	CY	Ø	EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED		DECON CERTS.	APPROVED BY
	YES	NO		
	YES	NO		
	YES	NO		
	YES	NO		
	YES	NO		
	YES	NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI - 11/8/90

REPORT NUMBERS

SEE OHM REPORT # 28 Attached report required by Contract document

" " " " " "

" " " " " "

" " " " " "

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:

RACING FILL IN 1 FOOT LIFTS ON THE TEST FILL EXTREMELY DIFFICULT.

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2					

Accident/Breeches Report:_____

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

NOV 1 2 1990

DATE: 11-8-90 DAY: Thursday HRS.WRK. 10 REPORT NO. EBASCO

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM ____ PM ____

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. ____

	F.E/I 1	R.E.	
	H&SO 1	P.E.	
	C/SE	QCM	
	P.M.	H&SO	
	HOP 3	P.M.	
	"	P.SEC	
	"	HOP	
ARCO	P.M.	"	
OTHERS		CANONIE SUB.	Apo Surveyors
"		SUPV.	EMPS. 2
USCOE/EPA	3	SUB.	
"		SUPV.	EMPS.
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 7

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
Hydro Seeder		Stand-by		
" 12G	8			
(Sheep) Compactor		Standby		
(Smooth) "	8			
Canonie Wtr. Trk		OFFSITE for Repairs		
Hertz Wtr. Trk	8			
(E. Bank) Cat 235	10			
Komatsu PC 200	10			
Generator / Steam Genny		Stand-by		
½ ton pick-up	10			
mechanic Trucks	11			

MEETINGS:

PLAN OF DAY Fill in Low Spots on Rip Rap both East and West Banks. Place Roadway Agg. on W. Bank Dike. Spread Topsoil

SAFETY Good Construction Practices

SCHEDULED Weekly meeting

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA Place 2 loads of stone on entrance Road to site and on through the trailer facility.

WEST BANK # 605 (Place W. Bank Rip Rap)
606 (Construct W. Bank Roadway)
607 (Topsoil & Seed W. Bank Areas)

EAST BANK # 705 (Place E. Bank Rip Rap)
707 (Topsoil & seed E. Bank)

RIVER (Any activity performed in water or gravel bar)
Removed 24" Culvert in Tributary @ sta 18+75 and pressed up Tributary Banks for seeding.

OTHER Pumped out wash pad. Water was pumped to lagoon behind the NY Dike (sta 16+50 - 22+31)

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	W. Bank 63.35 E. Bank 61.53
OIL STAIND	CY		ROAD AGGRTS	~~SY~~	245.59 tons
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	245.59
MISC.			MISC.	# 2	54.34

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC. E. Bank	Trees	Trunks	(Baldwin Forest Products)	
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Set Finish Shoulder stakes W. Bank

Set Grade Stakes on E. Bank

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank	1	22+31 - 11+00	A-8	Rip Rap		X	
	2	11+00	A-9	Roadway Agg.		X	
E. Bank	3	19+25 - 10+00	A-8	Rip Rap		X	
	4						
	5						
	6						
	7						
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHNICAL CONCERNS/PROBLEMS:

H & SAFETY 11-8-90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	9, 1, 6, 1	90, 3, 4, 2
"C"		
"B"		
OTHER		

R MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	None - limited west bank work				
2					
3					
4					
5					
6					
7					
8					
9					
0					

DAILY SAFETY INSPECTIONS:

pections	Time	Location	No. emps./equip.	PPE level	Violation
1					
2					
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In: _____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1					
2					

Accident/Breeches Report:_____

_____

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE

DAY SUMMERY:

No accidents or incidents to report today ~~~~ November 29, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

CLIENT: Pete Porter ARCO	DATE: 11/8/90
CLIENT: Sinclair Refinery, Wellsville	PE/PS
JOB NO: 88-093	LOCATION OF WORK: E. Bank / W. Bank

ACTIVITY: W. Bank

605 (Place W. Bank Rip Rap)
- Reworked Rip Rap to fill in low areas.
- Rip Rap is ready for acceptance sta 22+31 - sta 15+50

606 (Construct W. Bank Roadway)
- Place Roadway aggregate from Sta 7+00 - 13+00
- Roadway Agg will be cut to grade upon completion of the Road

607 (Topsoil and Seed W. Bank Areas)
- Placed topsoil on inside slope of Dike
- Topsoil awaits final placement

OTHER
- Exposed Damaged monitoring well @ sta 23+00

E. Bank

705 (Place E. Bank Rip Rap)
- Reworked Rip Rap to fill in low areas
- Rip Rap is ready for acceptance sta. 19+25 - st 16+00

707 (Topsoil and Seed E. Bank)
- Feathered Topsoil into existing grades. (Ground level)
- Completed Spreading topsoil on E. Bank Cut Area ~ sta 19+50 - 27+50

OTHER:
Removed 24" culvert @ sta 18+75

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 11-8-90

RIP RAP W. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X	____	____
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X	____	____
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X	____	____
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3,-0 INCHES	X	____	____
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X	____	____

3. DUST CONTROL

ACTION TAKEN: None Req'd

4. RIPRAP LOCATION

DIKE STATION 22+71 TO 15+50

5. REMARKS Rip Rap was reworked to fill in low spots and Rip Rap was added where needed Rip Rap is ready for final acceptance between these Stations.

INSPECTOR [signature] DATE 11/12/90

REVIEWED BY [signature] DATE 11.13

FORM A-9
SHEET ____ OF ____

AGGREGATE-SURFACED ROADS W. Bank

INSPECTION DATE 11-8-90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- AGGREGATE FREE FROM DIRT AND OTHER OBJECTIONABLE MATTER.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- SUBGRADE IS HARD AND NONYIELDING	X		
- IN-PLACE LOCATION AND THICKNESS OF ROADS IS AS SHOWN ON CONTRACT DRAWINGS	X		
- ELEVATION OF TOP OF ROAD IS WITHIN 0.05 FOOT FROM GRADE, PROFILE AND CROSS SECTIONS SHOWN ON CONTRACT DRAWINGS.			
3. DUST CONTROL			

ACTION TAKEN: None Req'd

4. ROADS LOCATION

DIKE STATIONS 7+00 TO 13+00

5. REMARKS Elevation of Road will be cut to grade upon completion of the Road

INSPECTOR [signature] DATE 11-12-90

REVIEWED BY [signature] DATE 11.13

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 11-8-90

IP RAP E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: _____

4. RIPRAP LOCATION

DIKE STATION 19+25 TO 16+00

5. REMARKS Rip Rap was rewicked to fill in low spots and Rip Rap was added where needed Rip Rap is Ready for final acceptance between those stations.

INSPECTOR _____ DATE 11-12-90

REVIEWED BY _____ DATE 11.13

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 11-8-90

Work Areas Checked: East bank
west bank dike

Employees Present in Work Areas: R. Tracy, D. Reid, G. Strachele, S. Hunt, J. Smith, B. Mckim, C. Mckim, K. Edwards, P. Porter, Frank Dombrowski, K. Ettinger, A. Mulvihill

Equipment Being Utilized: dozer, roller, Grader, 2 trackhoes, loader

PPE Being Utilized: level-D

Accidents/Breeches of Procedures:

none

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 11-8-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - limited west bank work

Personnel Sampling

None

Name	Date	IWA

Calibration Method for Equipment

N/A

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 8, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:37 / 7:49	8:26 / 10:54	12:02/3:58 4:56/6:09
C-2 L. Dekker	6:37 / 10:54	12:02 / 6:09	
C-3 P. Porter	6:52 / 12:42	1:04 / 6:29	
C-4 A. Muellerleile	7:22 / 8:25	9:48 / 10:47	12:13/12:51 12:54/12:55 3:38/4:01
C-5 C. Ettinger	7:00 / 7:09	7:36 / 9:03	9:23/11:43 11:57/1:31 2:13/5:50
C-6 F. Gontowski	6:54 / 12:51	1:31 /	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	7:00 / 11:32	11:51 / 12:41	3:23/3:40
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:44 / 8:16	8:28 / 11:23	11:36/5:22
C-12 C. Mckim	6:40 / 7:07	/	
C-13 G. Reid	6:42 / 5:24	/	
C-14 N. Tracy	6:44 / 7:06	/	
C-15 G. Maichele	6:37 / 6:42	6:54 / 7:24	8:20/11:10 3:28/4:56
C-16 S. Hunt	6:37 / 6:42	6:54 / 7:29	8:27/11:43 12:14/2:06 2:41/4:56
C-17 P. Smith	6:46 / 7:10	/	
C-18 R. EDWARDS	6:47 / 7:24	8:20 / 11:58	12:42/1:50 2:02/2:41 2:48/[redacted] 5:19
C-19 R. BARTELS	7:00 ~~18:30~~ 11:32	11:51 / 12:41	3:23/3:40
C-20	/	/	
E-1 G. Stiles	6:09 / 7:49	8:25 / 11:38	12:17/4:16 4:30/6:29
E-2 ~~T. Granger~~ E Casey	7:28 / 12:24	1:11 / 6:09	
E-3 S. Stiles	12:17 / 6:29	/	
E-4 L. Swank	6:55 / 12:48	1:12 / 5:00	5:21/
E-5 T. Yashinski	6:33 / 12:24	1:11 / 6:09	
~~E-6~~ D. Simpadian	6:54 / 12:31	1:05 / 6:17	
~~A-1~~ ~~S~~ R. Colleton	8:09 / 12:27	1:43 / 4:58	
~~A-2~~ S-6 T. Wollen	7:00 / 12:24	1:11 / 3:53	
~~A-4~~ E-9 J. Lane	7:23 / 12:24	1:11 / 5:15	
C/E-1 D. Stubbs	9:23 / 1:08	/	
C/E-~~A6~~ M Krywonk	9:23 / 2:49	/	
S-4 ~~C/E-3~~ D. Bingert	9:23 / 1:08	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:07	/	
S-4 T. Cobb	1:55 / 11:57	2:06 / 6:30	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 6, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	/	/	
C-4 A. Muellerleile	4:49 / 6:29	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	5:39 / 5:50	/	
C-16 S. Hunt	5:39 / 5:50	/	
C-17 P. Smith	/	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 8, 1990

No./Name		Time In/Out	Time In/Out	Remarks
A-2	D. Rall	6 37/12:04	12:42/ 2:31 3:02/ 5:37	OHM
A-3	M. Miller	6:37/12:04	12:42/ 5:37	
A-4	J. Facio	6:54/12:03	12:47/ 4:55	
A-5	J. Lovewell	6:54/12:03	12:47/ 4:55	
C/E-7	A. Gonzales	6:54/7:39	8:31/9:29 9:58/3:59 4:19/4:55	
C/E-8	S. St. Martin	6:54/4:55		
C/E-3	D. Tingue	7:03/12:00	12:36/ 3:27	Meyers
C/E-4	R. Crooks	7:03/12:00	12:36/ 3:27	Landscaping
E-10	B. Olszewski	7:33/1:21	2:00/6:20	Re-Tech (Geo-Corp)
Clint Perry		7:55/8:06	9:18/9:25 10:35/10:41 11:39/11:48 12:44/12:52 3:37/3:41	Alfred Atlas
Ron Johnson		7:57/8:05	1:53/1:57	Alfred Atlas
Jim Henessy S-4		8:54/9:09		Wellsville Town
Manley Clark		8:55/9:11		Ungerman's
Boyd Green, Jr.		9:20/9:34	10:37/10:47 11:58/12:15 1:17/1:27 2:43 4:46/5:11	
Dean Arnold		9:20/9:34	10:37/10:47 11:58/12:15	
Dick Neely C-20		9:58/10:52		
UPS		9:58/10:01		
Don Wartinger C-7		10:37/12:32		Empire Soils
Dale Zanders		10:40/11:26		Shorts O/C.
Alan Marr C-20		11:07/12:32	1:21/3:32 4:11/6:20	Geo Comp
Harvey Baldwin		11:07/11:12		Baldwin Forest prod.
Kertons Florist		1:24/1:25		Happy Birthday Kurt
UPS		1:36/1:38		
FedEx		1:45/1:50		
Charlie Baker		3:02/3:35		
UPS.		4:09/4:12		Spl. pickup

~~P. Porter~~
~~A. Mockenhaupt~~
F. Gontowski
~~G. Stiles~~
~~S. Stiles~~
C. Swann
} Still working

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
NOVEMBER 7, 1990

Arrived at 6:10 a.m.

Plan of Day:

Canonie
* Place slope protection east bank.
* Grade common fill area east bank.
* Hydro seed and mulch east bank.
* Place raodway aggregate west bank.

EBASCO
* Place slope protection west bank.
* Take samples and monitor air quality.

OHM
* Excavate SLA waste.
* Construct T/E.

Meyer
* Layout sample grids.
* Check settlement plates.

Hittman
* Test samples.

Geo Comp
* Hook up test fill monitoring equipment.

Ordered four loads of crushed stone.

Tom Y. and Tom W. are on site to assist sampling and health and safety.

Conducted inspection of east bank. Cal, Stubby, Allan and I will submit formal punch list of findings to Canonie.

NYDC reps., Jim Drumm and (see gate log) were on site. Had request that silt fence be erected at location of water truck fill pump. Told Canonie.

Canonie employees drove their water truck, hydro mulcher and dozer across Short's property. Dave said he had permission. I asked him to give me a letter signed by Mr. Short giving them permission. He said he would get one.

Rob Block and Alan Marr called. They said we would have to hold up placement of waste fill untill they got their wires hooked up. Probably about two days - I told them they had better get someone here to do the work, because I was not going to stop placement of fill. They have only one man on

site, and they were told two weeks ago to run cable, set MUS boxes, and hook up data logger, but they chose not to. So, they have a problem.

I called Tom G., and told him about their call. He said to continue placing fill.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
NOVEMBER 7, 1990

Arrived at 6:45 a.m.
Plan of Day:

Canonie
* Continue rip rap east and west sides.
* Continue grading and topsoil spreading.

OHM
* Install filter fabric on test fill.
* Excavate SLA material and haul to test fill.

Field Observations and Activities:

Canonie
* Continued rip rap placements on east and west dikes. Quarry deliveries were haulted when sufficient stone was delivered to site to complete work. Rip rap deliveries are now complete with sufficient stockpiled material for remaining work (east and west).
* Continued grading and spreading topsoil on inside slope of west dike in preparation for hydro seeding.
* Graded and filled in impoundment behind NY dike.
* Spread and graded topsoil and hydro seeded area north of sta. 21 on east side.

OHM
* Installed filter fabric on top of test fill (gravel) SLA soil interface.
* Installed four 18" diameter corrigated PVC fluid detection wells in gravel on test fill.
* Excavated SLA material and hauled and spread in 1' lift on test fill. Material very high moisture content. Trucks punch through to gravel surface with fill displaced laterally. Difficulty with truck placement forseen for second and third. May have to haul to north end of test fill and build entire 3' at one time or provide long dozer push. First SLA lift nearly 1/2 complete at end of shift.
* Lost one settlement plate riser when pushed over with dozer. Will be able to reinstall by driving in a rod when fill is complete. Hand labor required to protect risers from damage.

Meyer

* Installed grid stakes on 14x14 foot centers in SLA area to provide sampling location when removal of contaminated material is complete.
  Performed level surveys on settlement plates.

Geo Comp

* Bill Olslewski on site ± 0900hrs to wire up piezometer for remote readout. Worked late with flashlight to stay up with construction of test fill.

Empire Testing

* Technician took 3 nuclear and 1 sand cone density in storage area for SLA material.

Left site at 7:30 p.m.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

NOV 0 9 1990

DATE: 11/7/90 DAY: Wed. HRS.WRK. 10 REPORT NO. 122 EBASCO/ARCO

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM ____ PM ____

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I 1		R.E. 1
	H&SO ____		P.E. 1
	C/SE ____		QCM 1
	P.M. ____		H&SO 1
	HOP ____		P.M. ____
	" ____		P.SEC 1
	" ____		HOP ____
ARCO	P.M. ____		" ____
OTHERS	____	CANONIE SUB.	App Surveyors
"		SUPV. ____	EMPS. ____
USCOE/EPA	1	SUB.	____
"	____	SUPV. ____	EMPS. ____

VISITORS ____

MANUAL CANONIE GEN. Labor 1 Equip. Oper. 7

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	8			
" D-6	10			
" 12G	8			
(Sheep) Compactor		STAND-BY		
(Smooth) "	2			
Canonie Wtr. Trk		OFF-SITE FOR REPAIRS		
Hertz Wtr. Trk	4			
(E. Bank) Cat 235	10			
Komatsu PC 200	7			
Generator / Steam Genny		STAND-BY		
1/2 ton pickup	10			
Mechanic Trucks	11			

MEETINGS:

PLAN OF DAY W. Bank Continues w/ Placement of Roadway Agg. & Riprap; Topsoil Can Be Placed On Back Slopes E. Bank Finish Construction of Bench Area; Hydroseed E. Bank Cut Area Slopes

SAFETY Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #605 - Place West Bank Riprap Protection
#606 - Construct West Bank Roadway
#607 - Topsoil & Seed West Bank Areas

EAST BANK #705 - Place East Bank Riprap Protection
#707 - Topsoil & Seed East Bank Areas

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	36.1 / 200 - W. BANK
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	330 - E. BANK
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	36.1
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	263.55 - W. BANK / 391.53 - E. BANK
CLAY FILL	CY		ROAD AGGRTS.	TON	211.74
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

SET LIMIT OF RIPRAP STAKES ON EAST BANK FROM STA. 7+50 TO 8+00 ; SHOT ELEVATIONS ALONG DRAINAGE SWALE AT BASE OF WEST BANK DIKE ; SET FINISH SHOULDER STAKES FOR WEST BANK DIKE FROM STA. 12+00 TO 16+00

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. BANK	1	19+50 TO 22+31	A-8	RIPRAP		X	
	2	STA. 5+00 TO 14+50	A-9	ROADWAY AGGREGATE		X	
E. BANK	3	5+75 TO 8+55	A-6	GT		X	
	4	5+75 TO 8+55	A-7	BEDDING		X	
	5	5+75 TO 8+55	A-8	RIPRAP		X	
	6	S. END OF CUT AREA	A-10	SEED		X	
	7						
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

.TH & SAFETY 11-7-90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1, 1, 11	80, 8, 4, 3, 5
"C"		
"B"		
OTHER		

.IR MONITORING:

ample	Time	Location	Instrument	Sample type	Results
1	None - limited west bank work				
2					
3					
4					
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1330	East bank	4/hydroseeder, dozer,	D	None
2	1445	East bank	2/Track Loe, truck loe	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: ✓ Emps. Out: —

Equipment: In: ✓ Out: ✓

Venders Equipment: In: ✓ Out: ✓

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

No accidents or incidents to report today ~ November 7, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY:	CLIENT:	DATE:
Frank Gontowski		11/7/90
CLIENT: Sinclair Refinery Project	PE/PS	
JOB NO: 88-093	LOCATION OF WORK: Wellsville, NY	

ACTIVITY: W. Bank

Activity #605 - Place W. Bank Riprap Protection

- Placed Riprap From Mid-Point To Top Of Slope From Sta. 19+50 To 22+31
- Geotextile & Bedding In This Area Were Placed Previously

Activity #6016 - Construct West Bank Roadway

- Placed Roadway Aggregate From Sta. 5+00 To 11+50
- Roadway Aggregate To Final Grade From Sta. 0+00 To 8+00

Activity #607 - Topsoil & Seed West Bank Areas

- Placed Topsoil On Slopes From Sta. 15+00 To 21+00 & From Sta. 9+00 To 12+00
- Topsoil In These Areas Must Still Be Placed To Final Grade

E. Bank

Activity #705 - Place East Bank Riprap Protection

- Geotextile Placed Into Position From Slope Area Below, From Sta. 3+75 To 8+55
- Bedding & Riprap Also Placed Throughout This Area

Activity # 707 - Topsoil & Seed East Bank

- Hydroseeded, Mulched & Fertilized Slopes Of Southern Portion Of Cut Area

F-941

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

GEOTEXTILE

FORM A-
SHEET ____ OF ____
INSPECTION DATE 11/7/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 5+75 TO 8+55 E. BANK

5. REMARKS _____

INSPECTOR FRANK GONTOLOSKI DATE 11/8/90

REVIEWED BY MM DATE 11.9

BEDDING

FORM A[illegible]
SHEET ___ OF ___
INSPECTION DATE 11/7/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: None Required

4. BEDDING LOCATION

DIKE STATION 5+75 TO 8+55 E. Bank

5. REMARKS

INSPECTOR Frank Gontowski DATE 11/7/90

REVIEWED BY MM DATE 11.9

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 11/7/90

RIP RAP

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3,-0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: None Required

4. RIPRAP LOCATION

DIKE STATION 5+75 (A+50) TO 8+55 (22+81) E. Bank (W. Bank)

5. REMARKS

INSPECTOR Frank Gontowski / Pete Porter DATE 11/7/90

REVIEWED BY [signature] DATE 11/9

FORM A-9
SHEET ____ OF ____

AGGREGATE-SURFACED ROADS

INSPECTION DATE 11/7/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- AGGREGATE FREE FROM DIRT AND OTHER OBJECTIONABLE MATTER.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- SUBGRADE IS HARD AND NONYIELDING	X		
- IN-PLACE LOCATION AND THICKNESS OF ROADS IS AS SHOWN ON CONTRACT DRAWINGS	X		
- ELEVATION OF TOP OF ROAD IS WITHIN 0.05 FOOT FROM GRADE, PROFILE AND CROSS SECTIONS SHOWN ON CONTRACT DRAWINGS.			X
3. DUST CONTROL			X

ACTION TAKEN: NONE REQUIRED

4. ROADS LOCATION

DIKE STATIONS 5+00 TO 11+30 W. BANK

5. REMARKS _____

INSPECTOR PETE PORTER DATE 11/7/90

REVIEWED BY _____ DATE 11/9

FORM A-10
SHEET ____ OF ____
INSPECTION DATE 11/7/90

SEEDS AND FERTILIZERS

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH SPECIFICATION REQUIREMENTS.	X		
- SEEDS ARE DRY AND FREE OF DAMAGE.	X		
- FERTILIZER IS FREE OF MOISTURE AND LUMPS.	X		
2. PLACEMENT			
- AREA RECEIVING SEEDS AND FERTILIZERS IS SCARIFIED OR LOOSE, AND FREE OF STONES LARGER THAN 6 INCHES.	X		
- PLANTING SEASON IS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND ACCEPTED BY CONSTRUCTION MANAGER.	X		
3. VERIFICATION TESTING			
- 1 TEST SAMPLE FOR EVERY 200 LBS. OF SEED MIXTURE OR 1 SAMPLE FROM EACH LOT WHICHEVER GOVERNS IS TAKEN AND SENT FOR TESTING.	X		
- TEST RESULTS MEET OR EXCEED THE REQUIREMENTS OF THE SPECIFICATIONS.	X		

4. REMARKS See Attached Ticket For Seed Test Information

INSPECTOR Frank Gontowski DATE 11/7/90

REVIEWED BY AM DATE 11.9

P. O. BOX 366
BUFFALO, NY 14240

Stanford Seed

MUDDY CREEK ROAD
DENVER, PA 17517

(4)

CANONIE MIXTURE

11/7/90

PURE SEED

63.85%	RED FESCUE-CREEPING TYPE CANADA ORIGIN	GERMINATION + H.S. 95%
25.30%	PERENNIAL RYEGRASS	90%
8.99%	WHITE CLOVER VARIETY NOT STATED-NEW ZEALAND ORIGIN	85% + 0%
1.00%	INERT MATTER	
.66%	OTHER CROP SEED	
.20%	WEED SEED	

NET WT. 33#
1/2 ACRE PKG.

BROOKS F[illegible]M & HOME CENTER WELLESVILLE, NY 14895
LOT 21037 75941 TEST DATE - OCT, 1990

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 11-7-90

Work Areas Checked: Eastbank

Employees Present in Work Areas: N. Tracy, G. Reid, G. Mackelc, S. Hunt, D. Smith, B. McKim, C McKim, R. Edwards, F Gontowck; P. Porter, K. Ettinger, A. mulcahie

Equipment Being Utilized: Hydro seeder, 2 trackhoes, dozer, Grader, loader

PPE Being Utilized: level D (safety glasses for Hydro seeder operator

Accidents/Breeches of Procedures:

None

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 11-7-90

Equipment: N/A

Real-Time Air Monitoring Results and Work Area

None - limited westside work

Personnel Sampling

None

Name	Date	IWA

Calibration Method for Equipment

N/A

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 7, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:44 / 8:57	3:04 / 4:22	4:39 / 5:51
C-2 L. Dekker	6:44 / 5:51	/	
C-3 P. Porter	6:56 / 1:41	3:36 / 6:25	
C-4 A. Muellerleile	7:14 / 7:50	8:13 / 10:39	10:58/11:12 11:39/12:50
C-5 C. Ettinger	7:00 / 11:47	12:02 / 1:50	4:06/5:36
C-6 F. Gontowski	6:56 / 8:41	9:56 / 12:43	3:40 /
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:50 / 7:35	9:00 / 11:51	12:07 / 3:32
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:43 / 11:05	11:30 / 1:09	1:38/5:29
C-12 C. Mckim	6:40 / 7:09	/	
C-13 G. Reid	6:35 / 5:36	/	
C-14 N. Tracy	6:51 / 7:09	3:34 / 5:40	
C-15 G. Maichele	6:35 / 6:37	6:51 / 7:08	9:26/9:30 1:35/1:41
C-16 S. Hunt	6:36 / 6:37	6:51 / 7:14	7:30/7:42 8:24/7:43
C-17 P. Smith	6:46 / 7:09	/	
C-18 R. Edwards	6:46 / 7:21	9:43 / 9:50	1:25/1:41 2:33/2:46 3:40/3:54
C-19 R. Bartles	6:50 / 7:35	9:00 / 11:51	12:07/2:32
C-20	/	/	
E-1 G. Stiles	6:28 / 8:17	8:31 / 11:51	12:13/12:50 2:16/6:28
E-2 ~~T. Granger~~ E. Casey	7:11 / 10:10	10:29 / 10:31	10:55/12:26 1:24/
E-3 S. Stiles	12:13 / 6:28	/	
E-4 C. Swann	6:45 / 11:47	12:16 / 12:50	2:16/
E-5 T. Yashinski	9:18 / 12:26	1:24 /	
E-6 D. Simpadian	6:48 / 12:00	12:29	
~~A-1~~ E-7 J. Lane	7:28 / 12:26	1:24 / 3:56	4:46/5:04
~~A-2~~ S-6 T. Wollen	9:42 / 12:26	1:24 /	
~~A-4~~ S-8 R. Colleton	8:41 / 11:43	1:41 / 5:52	
C/E-1 D. Stubbs	9:50 / 12:50	2:16 / 2:43	
C/E-~~2~~ 6 M. Hrywnak	10:18 / 3:54	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	11:50 / 11:58	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 12:01	/	
S-4 T. Cobb	1:55 /	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 7, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	/	/	
C-4 A. Muellerleile	2:16 / 4:22	4:39 / 5:53	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	3:46 / 3:54	4:44 / 4:46 5:47 / 5:57	
C-16 S. Hunt	10:43 / 10:53	11:41 / 11:54 12:07 / 1:41 2:37 / 2:46 3:40 / 4:33 5:45 / 5:25	
C-17 P. Smith	/	/	
C-18 R. Edwards	4:44 / 4:45	5:15 / 5:29	
C-19 R. Bartles	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 7, 1996

No./Name	Time In/Out	Time In/Out	Remarks
A-2 D. Rall	6:34/4:14	9:57/12:37 1:02/6:04	OHM
A-3 M. Miller	6:34/12:37	1:02/6:04	
A-4 J. Facio	6:45/12:08	12:53/5:04	
A-5 J. Lovewell	6:45/12:08	12:53/5:04	
C/E-7 A. Gonzales	6:45/12:08	12:53/5:04	
C/E-8 S. St. Martin	6:45/12:08	12:53/5:04	
J. Warren	11:47/12:41		
C/E-3 D. Tingue	7:00/12:02	12:38/3:32	
C/E-4 R. Crooks	7:00/12:02	12:38/3:32	
E-10 B. Olszewski	7:54/		Re-Tech
Clint Perry	8:01/8:16	9:24/9:31 10:47/10:55 11:59/12:09 1:21/1:28 2:37/2:4[illegible]	Alfred Atlas 4:04/4:12
Ron Johnson	8:01/8:24	9:33/9:40 10:51/10:57 12:16/12:26 1:40/1:49 2:58/3:01"	4:18/4:25
Jim Rafter	8:05/8:11	11:43/11:47 3:40/3:45	Spin Rite
UPS		10:25/10:27	
Rick Scuff		10:25/10:52	Shorts Oil Co.
Don Wartinger		10:57/11:53	Empire Soils
Charlie Baker		11:01/12:12	
Napoli Pizza		11:53/11:54	
Ray Charland		12:15/12:21 4:05/4:14	Williamson
Roger Sick		12:15/12:23 3:59/4:04	"
Boyd Green Jr.		12:19/12:28 1:28/1:35 2:33/2:37 5:23/5:33	
Jim Deuprm S-2		12:51/2:37	DEC
Jim Vanhoesen S-7		12:51/2:37	DEC
Fed Ex		1:25/1:34	
Stanley Wolfe		1:30/1:31	Valley Machine & Repair
Glenn Hurdman		1:45/1:50	Hyland Facility ASSOC.
Tom Bowan		2:05/4:18	Beam Clean
UPS		2:10/2:16	
UPS		2:04/3:06	4px. pickup
Jim Coombs		4:05/4:15	Spin Rite
Fred Osmundl		4:05/4:11	
Gary Malley		4:09/4:18	
Rick Szconn		4:16/4:21	
Ron Swiss		4:18/4:25	

F. Gonzowski
~~S. Stites~~
~~S. Stites~~ Still working
C. Swann
T. Yashinski
P. Simpadiero
T. Wollen

PROJECT ENTRY PERMIT

DATE: 11/7/90 TIME IN: _____ TIME OUT: 7:30

NAME: FRANK GONTOWSKI

COMPANY: CANON IS

BADGE No: C-6

Must Be Turned Into Security Within First 2hrs Of Next Work Day

RECEIVED
NOV 0 8 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-7-90 DAY: WED HRS.WRK. ~~0730~~ 10 REPORT NO. 27

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. 1

F.E/I_____ P.M._____

H&SO_____ HOP_____

C/SE_____ "_____

P.M._____ "_____

HOP_____

"_____

"_____

ARCO P.M._____

OTHERS _____ SUB._____

"_____ SUPV.____ EMPS____

USCOE/EPA_____ SUB._____

"_____ SUPV.____ EMPS____

VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 2

Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Track hoe	4	6	0	
D3	4	6	0	
D6	5	5	0	
Dump Trk. 2	4	6	0	
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY LAY Geo tex on Testfills
Place Drainage tile pipe in testfill DX to
Settle mesh PLACES, WRAP wire
S.L.A. Material to test fill Area

SAFETY 0700-0715

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION [redacted] 3964D

SLA EXCAVATION: 3964D to Testfill

WASTEPILE CONSTRUCTION: [redacted]

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE		TESTFILL CONST.	CY	396
			AGGREGETES	TON	
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	4
			GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATERIAL	TON	
GEOWASTE MATERIAL	CY		GEOTEXTILE FAB	SY	7 roll
CANTAMINATED WASTE	CY	396	CAYMAX	SY	
CLEAN	CY		GEOMEMBRANE	SY	
SLA	CY		MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	8813
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON		None	
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO	None	
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod	6	54
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out: Back hoe 580 D out 12:30

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

RECEIVED
NOV 0 9 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11-7-90 DAY: WED HRS.WRK. 10 REPORT NO. 28

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I Ø SUPT._____

H&SO 1 ENG._____

C/SE 1 LABOR_____

P.M. Ø OPER._____

HOP 4 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. Ø ENG._____

OTHERS _____ LABOR_____

" _____ OPER._____

USCOE/EPA 1 OTHER_____

"

VISITORS HITTMAN-EBASCO - 1

EMPIRE SOILS - 1

SURVEYOR DOUG MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe		SEE		
Compactor				
Compactor		OHM		
Dump Trk.				
Dump Trk.				
Others		REPORT		
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY OHM: LAY GEOTEXTILE FABRIC ON TEST FILL
EXCAVATE SLA WASTE ; PLACE FIRST 1' OF SOIL ON TEST FILL
DOUG MYERS: CHECK SETTLEMENT PLATE ELEV.
EMPIRE: PERFORM DENSITY AND MOISTURE CONTENT TEST
EBASCO: SAMPLE INDICATOR COMPOUNDS · HITTMAN: ANALYZE SOIL SAMPLES
SAFETY GEOCOMP: INSTALL TEST FILL MONITORING DEVICES
FOLLOW INSTRUCTIONS OF H&S OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION PLACED GEOTEXTILE FABRIC OVER CRUSHED STONE LAYER; PLACED PART OF FIRST OF 1 FOOT SOIL ON THE TEST FILL ; INSTALLED 18" DIA OPEN OBSERVATION WELL

SLA EXCAVATION: SEE OHM REPORT

WASTEPILE CONSTRUCTION: SEE OHM REPORT

OTHER: SEE CANONIE REPORT

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	Ø	TESTFILL CONST.	CY	396
			AGGREGETES	TON	Ø
			SETTLEMENT PLATES	EA	Ø
			OBSERVATION WELLS	EA	4
			GEOTEXTILE FAB	SY	Ø
SLA EXCAVATION			BEDDING MATERIAL	TON	Ø
GEOWASTE MATERIAL	CY	Ø	GEOTEXTILE FAB	SY	3500
CANTAMINATED WASTE	CY		CAYMAX	SY	Ø
CLEAN	CY	Ø	GEOMEMBRANE	SY	Ø
MISC.	CY	Ø	MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	Ø	GEOTEXTILE FAB	SY	Ø
OBSERVATION WELLS	EA	1-20 Ft	BEDDING MATERIAL	CY	Ø
AGGREGATES	CY	Ø	GEOMAMBRANE	SY	Ø
CLAYMAX	CY	Ø	EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS		NONE	
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO	NONE	
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI - 11/7/90

REPORT NUMBERS
SEE OHM REPORT # 27 Attached report required by Contract document
" " " " " "
" " " " " "
" " " " " "

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:
PLACEMENT OF FILL ON TEST FILL DIFFICULT WITH AVAILABLE EQUIPMENT. TRUCKS LEAVING DEEP RUTS ON THE FILL.

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod	13	130
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In: DT Emps. Out: WASH/RINSE
Equipment: In: CLEAN Out: wipe - dry
Venders Equipment: In: CLEAN Out: — CLEAN

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1			NONE		
2					

Accident/Breeches Report: NONE

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
NOVEMBER 6, 1990

Arrived at 6:20 a.m.
Plan of Day:

Canonie
* Place slope protection east bank.
* Place common fill behind east bank.
* Place hay pack at outfall pipe D/S end west dike
* Place slope protection west bank.

OHM
* Excavate SLA waste.
* Complete gravel at T/F

Meyer
* Lay out SLA sample grids.
* Topo area behind E/D common fill area.

Hittman
* Test samples.

EBASCO Techs.
* Monitor air.
* Take samples at SLA EXCAVATION.

Met with Dave D. and Alan M., Canonie, and Rowland Lazzanke, EBASCO, regarding the August and September invoice. Rowland identified the area of concern he had. Alan M. went through each item, and either justified, agreed or changed the No. to satisfy Rowland. Canonie will give us a new invoice reflecting the changes.

Dave gave me Canonie's bid proposal for the dike extension.

Mark K., OHM, came to discuss their contract:
* The $7.00 charge for breathing air time - I agreed to pay.
* Additional charge for problems with placement of crushed stone - I told him we have placed approximately 33% more stone than originally planned, and I would consider a reasonable charge, if he will submit one.
* Additional charge for geo textile placement - I told him we had increased this amount by 1/5 of the original qty., and I would consider a reasonable charge.
* He inquired about the dike extension - I told him we were still reviewing the packages, and had not made a decision.

* He asked how they were doing? I told him not good. He said they had replaced the one that was the problem. I told him that was a step in the right direction, but time would tell if it helps. I do not see the team effort that is necessary to perform as professionals on this kind of project.

John Lane arrived on site to assist with the sampling and health and safety.

Alan gave me the updated invoice. Rowland looked at it, and sent to Tom G.

Mike Turco called

* Wanted status of project - I gave him update.
* Needs info. to respond to Donovan letter.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 6, 1990

Arrived at: 1:00 p.m.
Plan of Day:

Field Observations and Activities:

Canonie

* Placed and adjusted rip rap on east side.
* Graded and spread topsoil east and west side.
* Placed rip rap on NY dike.
* Graded drainage ditch inside west dike.

OHM

* Excavated SLA material and hauled to stockpile next to test fill. Stockpilewas built up about 12' above top of CELA without noticeable deflection of adjacent settlement plate. Drilling in this area had indicated relatively strong material in top +6'.
* Planned installation of filter fabric on top of 1'gravel layer was postponed due to high winds.

Meyer

* Set grid stakes on 14x14 feet centers in SLA.
* Performed level surveys on settlement plates.

Empire Testing

* Took 3 nuclear densities and 1 sand cone density in stockpile next to test fill.

Left Site at 7:00 p.m.

RECEIVED
NOV 0 8 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 11/6/90 DAY: Tues. HRS.WRK. 10 REPORT NO. 121

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM 5.16 PM 5.11

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I 1	R.E. 1
	H&SO	P.E. 1
	C/SE	QCM 1
	P.M.	H&SO 1
	HOP	P.M.
	"	P.SEC 1
	"	HOP
ARCO	P.M.	"
OTHERS		CANONIE SUB. App Surveyors
"		SUPV. ____ EMPS. ____
USCOE/EPA	1	SUB. ____
"		SUPV. ____ EMPS. ____

VISITORS ____

MANUAL CANONIE GEN. Labor ____ Equip. Oper. ____

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	6			
" D-6	6			
" 12G	6			
(Sheep) Compactor		Stand-By		
(Smooth) "	2			
Canonie Wtr. Trk		Off-Site For Repairs		
Hertz Wtr. Trk		Stand-By		
(E. Bank) Cat 235	10			
Komatsu PC 200	8			
Generator / Steam Genny		Stand-By		
½ ton pickup	10			
mechanic Trucks	11			

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	49.2 229.67 - W. BANK 400.91 - E. BANK
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	32.5 229.67 - W. BANK
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	424.91 - E. BANK
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

MEETINGS:

PLAN OF DAY W. Bank Clean Mud From Drainage Swale & Continue w/ Riprap Placement E. Bank Continue Placing Topsoil On Cut Area & Continue Construction Of Bench Area

SAFETY Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #604 - Construct West Bank Dike
#605 - Place West Bank Riprap Protection

EAST BANK #705 - Place East Bank Riprap Protection
#707 - Topsoil & Seed East Bank Areas

RIVER (Any activity performed in water or gravel bar)

OTHER

PAGE: ____ OF ____

T & SAFETY 11-6-90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1, 1	80, 3, 8
"C"		
"B"		
OTHER		

I MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	1547	Support Zone yard	HN_v	Real Time	0.5 ppm
2	1548	Clean Ad near SLA	HN_v	R.T	0.5 ppm
3	1554	Grow area	HN_v	R.T	0.5 ppm
4	1605	South end of NP dike	HN_v	RT	0.5 → 2 ppm
5					
6					
7					
8					
9					
10					

DAILY SAFETY INSPECTIONS:

Inspections	Time	Location	No. emps./equip.	PPE level	Violation
1	0915	NP dike	2/Truck, loader	B	None
2	1245	East bank	6/2 Trucks, Dozer, Compactor, Grader - D		None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: _____ Emps. Out: _____

Equipment: In: _____ Out: _____

Venders Equipment: In: _____ Out: _____

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: _____

FIELD ENGINEERING ACTIVITIES: (surveyors)

SET EAST BANK BENCH POINTS FROM STA. 14+00 TO 9+89 ; SET EAST BANK TOP OF TOE TRENCH STAKES FROM STA. 9+89 TO 6+50

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. BANK	1	18+75 TO 19+50	A-8	RIPRAP		X	
E. BANK	2	13+25 TO 14+00 8+55 TO 12+50	A-6	GT		X	
	3	13+25 TO 14+00 8+55 TO 12+50	A-7	BEDDING		X	
	4	13+25 TO 14+00 8+55 TO 12+50	A-8	RIPRAP		X	
	5						
	6						
	7						
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE

DAY SUMMERY:

No accidents or incidents to report today — November 6, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: FRANK GONTOWSKI	CLIENT:	DATE: 11/6/90
CLIENT: SINCLAIR REFINERY PROJECT	PE/PS	
JOB NO: 88-093	LOCATION OF WORK: WELLSVILLE, NY	

ACTIVITY: WEST BANK

ACTIVITY # 604 - CONSTRUCT WEST BANK DIKE

- CLEANED MUD OUT OF SWALE AREA AT BASE OF INSIDE SLOPE FROM STA. 16+00 TO 17+50

ACTIVITY # 605 - PLACE WEST BANK RIPRAP PROTECTION

- PLACED RIPRAP FROM MID-POINT TO TOP OF SLOPE, FROM STA. 18+75 TO 19+50
- GEOTEXTILE & BEDDING WERE PREVIOUSLY PLACED IN THIS AREA

EAST BANK

ACTIVITY # 705 - PLACE EAST BANK RIPRAP PROTECTION

- EXCAVATED BENCH AREA FROM STA. 8+50 TO 12+50
- GEOTEXTILE ALSO ON BENCH FROM TOP OF SLOPE FROM STA. 8+55 TO 12+50 AND FROM STA. 13+25 TO 14+00
- BEDDING & RIPRAP ALSO PLACED FROM STA. 8+55 TO 12+50 AND FROM STA. 13+25 TO 14+00

ACTIVITY # 707 - TOPSOIL & SEED EAST BANK AREAS

- PLACED TOPSOIL ON EAST BANK CUT AREA & ON AREAS BEHIND SLOPE
- LEVELED & TOPSOILED FROM STA. 19+25 TO 13+00

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

GEOTEXTILE

FORM A
SHEET ____ OF ____
INSPECTION DATE 11/6/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 13+25 8+55 TO 14+00 12+50 } E. BANK

5. REMARKS _____

INSPECTOR FRANK GONTOWSKI DATE 11/6/90

REVIEWED BY _____ DATE 11/8

BEDDING

FORM [redacted] 2
SHEET ___ OF ___
INSPECTION DATE 11/16/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: NONE REQUIRED

4. BEDDING LOCATION

DIKE STATION 13+25 8+55 TO 14+00 12+50 } E. BANK

5. REMARKS

INSPECTOR FRANK GONTOWSKI DATE 11/16/90

REVIEWED BY [redacted] DATE 11.8

FORM A-8
SHEET ____ OF ____

RIP RAP

INSPECTION DATE 11/6/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3,-0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: None Required

4. RIPRAP LOCATION

DIKE STATION 18+75 / 13+25 / 5+55 TO 19+50 / 14+00 / 12+50] W. Bank / E. Bank

5. REMARKS

INSPECTOR Pete Porter / Frank Gontowski DATE 11/6/90

REVIEWED BY [signature] DATE 11/8

Activities: Rip wrap placement on East and West banks, (7200 area for westbank)

Time: 1546) Temp ≈ 47°F, cloudy, strong W. wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1/6/90 - 1547	yard	HNu	PI101	co/=111ppm Isobutylene		
1/6/90 - 1548	clean rd near SLA	HNu	PI101	Bg=0.5 ppm Same	0.5 ppm	Real Time
1/6/90 - 1554	6700 area	HNu	PI101	Same	0.5 ppm	R.J.
1/6/90 - 1605	south end of N. dike	HNu	PI101	Same	0.5-2 ppm	R.J.

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 11-6-90

Equipment: HNu

Real-Time Air Monitoring Results and Work Area

HNu levels were at background in work areas of the west bank except for downwind of the SLA operation (south dike area) where levels from 0-2 ppm above background were observed.

Personnel Sampling

None

Name	Date	IWA

Calibration Method for Equipment

HNu = 11 ppm Isobutylene

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 11-6-90

Work Areas Checked: west bank dike
East bank

Employees Present in Work Areas: B. Reid, B. Maibeh, S. Hunt, P. Smith, B. Mckenzie, L. Edwards, B. Tracy, P. Porter, R. Ettinger

Equipment Being Utilized: 3 trackhoes, Dozer, loader, Compactor, Grader

PPE Being Utilized: level D

Accidents/Breeches of Procedures:

None

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 6, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:35 / 6:55	7:14 / 2:25	2:57 / 3:46 4:28 /
C-2 L. Dekker	6:35 / 3:48	4:28 /	
C-3 P. Porter	6:38 / 6:55	7:14 / 8:40	9:16 / 12:18 12:40 / 6:12
C-4 A. Muellerleile	7:29 / 2:29	4:16 / 5:59	
C-5 C. Ettinger	6:59 / 7:51	8:09 / 10:04	10:57 / 5:31
C-6 F. Gontowski	6:54 / ~~12:48~~ 1:47	3:10 / 6:12	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	7:14 / 7:51	8:18 / 8:20	11:58 / 12:56 3:34 / 3:46
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:38 / 7:23	9:50 / 10:05	3:03 / 3:16 4:07 / 4:10 5:14 / 5:25
C-12 C. Mckim	6:38 / 7:25	5:23 / 5:26	
C-13 G. Reid	6:38 / 7:45	~~4:31~~ 4:57 / ~~5:01~~ 5:08	5:14 / 5:26
C-14 N. Tracy	6:47 / 7:20	/	
C-15 G. Maichele	6:30 / 6:33	6:48 / 7:21	5:37 / 5:54
C-16 S. Hunt	6:32 / 6:33	6:48 / 7:23	7:33 / 8:01 9:02 / 9:12 10:09 / 10:14
C-17 P. Smith	6:~~52~~ / 7:20	/	
C-18 R. Edwards	6:51 / 7:45	~~4:31~~ 7:57 / 8:01	9:02 / 9:12 10:09 / 10:14 11:30 / 11:57
C-19 R. Bartles	7:14 / 7:51	8:18 / 8:20	11:58 / 12:56 3:34 / 3:46
C-20	/	/	
E-1 G. Stiles	6:33 / 11:55	12:51 / ~~4:40~~ 5:26	
E-2 ~~T. Granger~~ E. Casey	7:05 / 12:15	1:38 / [redacted]	
E-3 S. Stiles	12:51 / 5:03	5:15 / 5:36	
E-4 C. Swann	12:57 / 4:10	4:30 /	
E-5 R. Locsin	8:05 / 12:15	1:38 / 6:04	
E-6 D. Simpadian	7:10 / 12:15	12:51 / 6:13	
~~A-1~~ E-7 R. Colleton	8:28 / 10:33	11:07 / 12:12	1:20 / 2:02 2:48 / 4:32 5:11 / 5:46
A-2 E-9 J. Lane	8:05 / 12:15	12:51 / 5:11 [redacted]	
A-4	/	/	
C/E-1 D. Stubbs	9:26 / 12:30	/	
~~C/E-2~~ M. Hrywnak S-6	10:56 / 12:15	1:15 / 1:52	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	11:55 / 11:57	/	
S-3 Jerry Palmer	6:00 / 12:00	2:25 / 2:26	
S-4 T. Cobb	1:54 /	/	
S-5 A. Fox	3:39 /	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 6, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	/	/	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	/	/	
C-16 S. Hunt	11:30 / 12:39	1:40 / 1:44 3:11 / 4:10 5:35 / 5:54	
C-17 P. Smith	/	/	
C-18 R. Edwards	12:11 / 12:39	1:40 / 1:44 4:07 / 4:10 5:23 / 5:31	
C-19 R. Bartles	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 6, 1990

No./Name		Time In/Out	Time In/Out		Remarks
A-2	D. Rall	6:32/8:53	9:05/12:51	1:11/5:31	OHM
A-3	M. Miller	6:32/12:51	1:11/5:21		"
A-4	J. Facio	6:45/12:09	12:36/5:19		"
A-5	J. Lovewell	6:45/12:09	12:30/5:19		"
C/E-7	A. Gonzales	6:45/5:19			"
C/E-8	S. St. Martin	6:45/5:19			"
A-1	Mark Kravitz	11:38/3:30			"
C/E-3	D. Tingue	7:01/10:30	12:38/[illegible] 4:43		Meyers'
C/E-4	R. Crooks	7:01/10:30	12:35/[illegible] 4:43		Landscaping
Jim Rafter		8:14/8:17	11:55/11:57		Spin Rite
Fred Osmond		8:17/8:21	11:53/11:57		General Crushed
Rick Szonne		8:17/8:23	11:55/11:57		Spin Rite
Frank Charland		8:33/8:39	12:21/12:24		General Crushed
Jim Coombs		8:38/8:41	12:36/12:39		"
Dean's Septic Service		9:27/10:03			
UPS		10:18/10:20			
Rick Scutt		10:38/11:03			Shorts Oil Co.
Don Wartinger C/E-6		10:49/1:13			Empire Soils
Fed Ex		2:53/2:59	3:51/3:57		3pc delivery/1pc. pickup
UPS		2:33/2:53			10pc. pickup
Mrs. C McLin		4:07/4:16			to drop off truck
Mrs. G. Reid		4:09/4:16			"
D. DEKKER					
L. DEKKER					
C Swann					Still working
E. Casey					

PROJECT ENTRY PERMIT

DATE: 11-6 TIME IN: _____ TIME OUT: 6:45pm

NAME: LaVonne Dekker

COMPANY: Conoco

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 11-6-90 TIME IN: _____ TIME OUT: 6:45pm

NAME: Dave Dekker

COMPANY: Conoco

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

RECEIVED
NOV 0 8 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11-6-90 DAY: TUES HRS.WRK. 10 REPORT NO. 27

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL

EBASCO.	C.M.	1	SUB.	
	F.E/I	0	SUPT.	
	H&SO	2	ENG.	
	C/SE	1	LABOR	
	P.M.	0	OPER.	
	HOP	2	OTHER	
	"		SUB.	
	"		SUPT.	
ARCO	P.M.	0	ENG.	
	OTHERS	0	LABOR	
	"		OPER.	
USCOE/EPA		1	OTHER	
	"			

VISITORS EMPIRE - 1

SURVEYOR DOUG MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer		SEE OHM REPORT		
Dozer				
Back Hoe				
Back Hoe				
Compactor				
Compactor				
Dump Trk.				
Dump Trk.				
Others				
"				
"				
"				
"				

ECI - 11/6/90

MEETINGS:

PLAN OF DAY OHM = LAY GEOTEXTILE FABRIC ON TEST FILL; EXCAVATE SLA WASTE; PLACE FIRST 1 FOOT OF SOIL ON TEST FILL
DOUG MYERS: CHECK SETTLEMENT RATE ELEVS.; STAKE SAMPLING GRID
EMPIRE: PERFORM COMPACTION & MOISTURE CONTENT TEST
EBASCO: SAMPLE & ANALYZE EXCAVATED SLA AREA

SAFETY FOLLOW INSTRUCTIONS OF H&S OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION GEOTEXTILE FABRIC COULD NOT BE PLACED DUE TO HIGH WINDS

SLA EXCAVATION: SEE OHM REPORT

EBASCO TOOK SAMPLES OF GRIDS WITHIN EXCAVATED PORTION

WASTEPILE CONSTRUCTION: SEE OHM REPORT

OTHER: SEE CANONIE REPORT

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	Ø	TESTFILL CONST.	CY	Ø
			AGGREGETES	TON	Ø
			SETTLEMENT PLATES	EA	Ø
			OBSERVATION WELLS	EA	Ø
			GEOTEXTILE FAB	SY	Ø
SLA EXCAVATION			BEDDING MATERIAL	TON	Ø
GEOWASTE MATERIAL	CY	Ø	GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY		CAYMAX	SY	Ø
CLEAN	CY	Ø	GEOMEMBRANE	SY	Ø
MISC.	CY	Ø	MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	Ø	GEOTEXTILE FAB	SY	Ø
OBSERVATION WELLS	EA	Ø	BEDDING MATERIAL	CY	Ø
AGGREGATES	CY	Ø	GEOMAMBRANE	SY	Ø
CLAYMAX	CY	Ø	EQUIP. FUEL&LUBE	GAL	
MISC.		Ø	MISC.		
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON		NONE	
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO	NONE	
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI - 11/6/90

REPORT NUMBERS
SEE OHM REPORT #26 Attached report required by Contract document
" " " " " "
" " " " " "
" " " " " "

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:
A SECTION OF THE SLA EXCAVATION WAS EXCAVATED TO GROUNDWATER BUT DID NOT REACH NIRGIN SOIL

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	11	105
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In: Emps. Out:
Equipment: In: Out: 1 - OHM BACK HOE
Venders Equipment: In: Out:
BACK HOE WAS DECONED + INSCPECTED AS OK TO LEAVE SITE

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2					

Accident/Breeches Report:
- NONE -

RECEIVED
NOV 0 6 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-6-90 DAY: Tue HRS.WRK. 10 REPORT NO. 76
WEATHER INFORMATION:
TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____
PRECIPITATION:_____ HUMIDITY:_____
PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. 1
F.E/I_____ P.M._____
H&SO_____ HOP_____
C/SE_____ "_____
P.M._____ "_____
HOP_____
"_____
"_____
ARCO P.M._____
OTHERS_____ SUB._____
"_____ SUPV.____ EMPS____
USCOE/EPA_____ SUB._____
"_____ SUPV.____ EMPS____
VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 2
Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
D6	9	1		
D-3	9	1		
400 Truck hoe	9	1		
Back hoe	2	7		
Dump Trk	9	1		
Dump Trk.	9			
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Remove SLa cy 1170 For Stock Pile

SAFETY 0700-0715

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION 0

SLA EXCAVATION: 1170 cy

WASTEPILE CONSTRUCTION: 0

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE		TESTFILL CONST.	CY	
			AGGREGETES	TON	
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATERIAL	TON	
GEOWASTE MATERIAL	CY		GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY		CAYMAX	SY	
CLEAN	CY		GEOMEMBRANE	SY	
SLA	CY	1170	MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	162.2
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON		None	
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	_____	_____
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
NOVEMBER 5, 1990

Arrived at 6:10 a.m.
Plan of Day:

Canonie
* Excavate material at south end of east bank.
* Place common fill east bank.
* Place slope protection east bank.
* Place slope protection west bank.
* Shape inside slope west bank.

OHM
* Excavate SLA waste.
* Complete gravel at T/F

Meyer
* Lay out SLA grid system.

Hittman
* Test samples.

Geotextile fabric for testfill never arrived Friday or Saturday. Called GeoComp and talked with Bill O.

Called Gavin Clark at Liner Tech. He said they were loading the geo membrane and PVC cover material, and would probably be here tomorrow.

Cheryl from Poly-felt Corp. called. The fabric was a Roadway's dock, and was being sent out today.

OHM, Dan R. said they had replaced the dozer man with another operator.

Rowland came to review the Canonie August and September invoice.

Tom Ford is sending John Lane. He will be on site Tuesday.

John Boes, OHM, wants status of dike extension bid. I told him we will make a decision tonight, if all the information comes in.

Richard Neely said he and the Police dispatcher had received several calls about the odors, but they had been very positive about the inconvenience. And, were satisfied with the information they were given.

Baker delivered 16 loads of clay/rock for CELA ramp.

Geo membrane and PVC material arrived at 4:10p.m. OHM unloaded by decon trailer.

A deer got in the confines of the support area fence at noon today. We had to loosen the wire by corner of EBASCO office to let him out.

Geo Tech. fabric arrived at 6:30p.m. Unloaded by decon trailer.

RECEIVED
NOV 0 6 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 11/5/90 DAY: Mon. HRS.WRK. 10 REPORT NO. 120

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM 4.90 PM 4.90

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I		R.E. 1
	H&SO		P.E. 1
	C/SE		QCM 1
	P.M.		H&SO 1
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	APP Surveyors
"		SUPV.	EMPS.
USCOE/EPA	1	SUB.	
"		SUPV.	EMPS.
VISITORS			

MANUAL CANONIE GEN. Labor ____ Equip. Oper. ____

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	8			
" 12G	5			
(Sheep)Compactor	8			
(Smooth) "	5			
Canonie Wtr. Trk		OFF-SITE FOR REPAIRS		
Hertz Wtr.Trk		STAND-BY		
(E. Bank) Cat 295	10			
Komatsu PC 200	8			
Generator / Steam Genny		STAND-BY		
½ ton p.k-up	5			
Mechanic Trucks	11			

(2) International 433 a

MEETINGS:

PLAN OF DAY W. Bank Continue w/ Riprap Placement ; Place Topsoil On Back Slopes
E. Bank Continue w/ Riprap Placement ; Continue Topsoil Placement ; Remove Gravel Bar From Sta. 7+00 To 11+00

SAFETY Make Sure Goggles/Safety Glasses & Dust Masks Are Worn While Using Hydroseeder

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 604 - Construct West Bank Dike
605 - Place West Bank Riprap
607 - Topsoil & Seed West Bank Area

EAST BANK # 705 - Place East Bank Riprap
707 - Topsoil & Seed East Bank Area
701 - Remove East Bank Cut Area

RIVER (Any activity performed in water or gravel bar) Removed Gravel Bar (~900 CY) From Sta. 7+00 To 11+00

OTHER

PAGE: ____ OF ____

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	16.8 221.22 - W. BANK
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	393.30 - E. BANK
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	33.5 309.22 - W. BANK
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	393.30 - E. BANK
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Set Bench Points On East Bank From Sta. 14+00 To 9+89; Set Top Of Toe Trench Stakes From 9+89 To 6+50

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank	1	16+75 To 18+75	A-8	Riprap		X	
E. Bank	2	12+60 To 14+50	A-6	G.T.		X	
	3	12+60 To 14+50	A-7	Bedding		X	
	4	13+85 To 12+60	A-8	Riprap		X	
	5						
	6						
	7						
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

C-1, C-2, C-4, E-1, E-2, E-3, E-5, E-6 still onboard at 6:30

ROADWAY TRUCKING FOR EBASCO

G. R. Ff

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

CLIENT:	DATE:
FRANK CONTOWSKI	11/5/90
CLIENT: SINCLAIR REFINERY PROJECT	PE/PS
JOB NO: 88-093	LOCATION OF WORK: WELLSVILLE, NY

ACTIVITY: WEST BANK

ACTIVITY # 604 – CONSTRUCT WEST BANK DIKE

- TRIMMED BACK SLOPE OF DIKE TO FINISH GRADE FROM STA. 16+00 TO 22+31

ACTIVITY # 605 – PLACE WEST BANK RIPRAP

- PLACED RIPRAP ON MID-POINT TO TOP OF SLOPE FROM STA. 16+75 TO 18+75
- GEOTEXTILE & BEDDING STONE WERE PLACED PREVIOUSLY

ACTIVITY # 607 – TOPSOIL & SEED WEST BANK AREA

- PLACED TOPSOIL ON SLOPES OF DIKE FROM STA. 9+00 TO 12+00
- TOPSOIL STILL NEEDS TO BE SPREAD TO GRADE.

EAST BANK

ACTIVITY # 705 – PLACE EAST BANK RIPRAP

- CUT FROM STA. 12+50 TO 14+50 TO BENCH SUBGRADE ELEVATION
- PULLED GEOTEXTILE INTO POSITION FROM FURTHER DOWN SLOPE & PLACED BEDDING ON GEOTEXTILE FROM STA. 12+60 TO 14+50
- RIPRAP SUBSEQUENTLY PLACED ON PREPARED AREAS FROM STA. 14+00 TO 14+50 AND FROM STA. 12+60 TO 13+25.

ACTIVITY # 707 – TOPSOIL & SEED EAST BANK AREA

- STARTED PLACEMENT OF TOPSOIL IN EAST BANK CUT AREA WHERE SCRAPERS HAD BEEN WORKING

ACTIVITY # 701 – REMOVE EAST BANK CUT AREA

- REMAINDER OF THE EAST BANK CUT AREA (~400 CY) WAS REMOVED & BROUGHT TO OLD RIVER CHANNEL FOR FILL IN THIS AREA.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

CONTINUED ON FOLLOWING PAGE

CONTINUED FROM PREVIOUS PAGE

Daily Progress Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: FRANK J. GONTOWSKI	CLIENT:	DATE: 11/5/90
CLIENT: SINCLAIR REFINERY PROJECT	PE/PS	
JOB NO: 88-093	LOCATION OF WORK: WALSVILLE, NY	

ACTIVITY:

MISCELLANEOUS

- REMOVED GRAVEL BAR FROM STA. 7+00 TO 11+00 (~ 900 CY)
- REMOVED STOCKPILES STORED BETWEEN STA. 11+00 & 18+50 (~ 500 CY)
- THESE MATERIALS WERE USED AS COMMON FILL IN O.O RIVER CHANNEL

F-941

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

GEOTEXTILE

FORM A
SHEET ____ OF ____
INSPECTION DATE 11/5/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 12+60 TO 14+50 EAST BANK

5. REMARKS _____

INSPECTOR Pete Porter DATE 11/5/90

REVIEWED BY _____ DATE 11/6

BEDDING

FORM A[illegible]
SHEET ____ OF ____
INSPECTION DATE 11/5/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: None Required

4. BEDDING LOCATION

DIKE STATION 12+60 TO 14+50 East Bank

5. REMARKS

INSPECTOR Pete Porter DATE 11/5/90

REVIEWED BY [signature] DATE 11/6

FORM A-8
SHEET ____ OF ____

IP RAP

INSPECTION DATE 11/5/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3. DUST CONTROL

ACTION TAKEN: NONE REQUIRED

4. RIPRAP LOCATION

DIKE STATION 12+60 (16+75) TO 13+25 (18+75) WEST BANK / EAST BANK

5. REMARKS

INSPECTOR PETE PORTER DATE 11/5/90

REVIEWED BY [signature] DATE 11.6

AM Activities: Rip wrap placement [illegible], East Gate soil movement & Rip wrap work. (OHM contractors moving SLA fill material to CELA)

PM Activities: Same as AM's'

Time: 0919, Temp ≈ 45°F, Cloudy, E. Wind
Time: 1420, Temp ≈ 53°F, Cloudy SE Wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
11/5/90-0920	yard	HNu	PI101	Cal=111ppm Isobutylene By=0.5ppm	0.5ppm	Real Time
11/5/90-0923	clean rd East of yard	HNu	PI101	same	4.5ppm	RT
11/5/90-0928	7 tou area	HNu	PI101	Same	0.5ppm	RT
11/5/90-0934	22 tou area	HNu	PI101	Same	0.5ppm	RT
11/5/90-1421	yard	HNu	PI101	Same	0.5ppm	RT
11/5/90-1423	clean rd East of yard	HNu	PI101	Same	0.5ppm → 5ppm	RT
11/5/90-1429	6 tou area	HNu	PI101	Same	0.5ppm	RT
11/5/90-1439	20 tou area	HNu	PI101	Same	0.5ppm	RT

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date 11-5-90

Equipment: HNu

Real-Time Air Monitoring Results and Work Area

HNu levels in canonic work areas were at background levels. Some levels from 0-5 ppm were found on the clean side downwind of the SCA operation

Personnel Sampling

None

Name	Date	IWA

Calibration Method for Equipment

HNu = 11 ppm Isobutylene

LTH & SAFETY 11-5-90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	8, 1, 1	80, 2, 4
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0920	Support zone yard	HNu	Real time	0.5 ppm
2	0923	Clean Zone east of yard	HNu	RT	4.5 ppm
3	0928	7+00 area	HNu	RT	0.5 ppm
4	0939	22+00 area	HNu	RT	0.5 ppm
5	1421	yard	HNu	RT	0.5 ppm
6	1423	Clean Zone east of yard	HNu	RT	0.5 ppm → 5 ppm
7	1429	6+00 area	HNu	RT	0.5 ppm
8	1439	20+00 area	HNu	RT	0.5 ppm
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0940	West bank dike	2/trackhoe, loader	- D -	none
2	1005	yard	—	D	none
3	1245	East Bank	4/2 trackhoes, dozer, compactor	- D -	none
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: ✓ Emps. Out: ✓

Equipment: In: ✓ Out: ✓

Venders Equipment: In: ✓ Out: —

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	none				
2					

Accident/Breeches Report: _____

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 11-5-90

Work Areas Checked: East bank
west bank
Support zone - yard

Employees Present in Work Areas: D. Reid, ~~R. Edwards~~ (not on site today), P. Smith, B. Mashelle, J. Hunt, N. Tracy, B. Mikun, C. Mckim, P. Porter, K Ettinger, L. Dekker

Equipment Being Utilized: 2 trackhoes, 2 Scrapers, dozer, Compactor, loader, Grader, Roller

PPE Being Utilized: level D

Accidents/Breeches of Procedures:

None

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 5, 1990

No./Name	Time In/Out	Time In/Out	Remarks	
C-1 D. Dekker	6:45 / 7:50	9:19 / 11:03	2:29/4:25	4:49/
C-2 L. Dekker	6:45 /	/		
C-3 P. Porter	6:50 / 7:48	8:42 / 12:15	12:50/ 5:53	
C-4 A. Muellerleile	/	/		
C-5 C. Ettinger	6:41 / 10:01	10:21 / 12:40	1:41/5:07	
C-6 F. Gontowski	6:58 / 7:11	7:48 / 11:55	12:13/	
C-7 C. Chang	/	/		
C-8 J. App	/	/		
C-9 G. Lazusky	6:58 / 8:02	3:24 / [redacted] 3:35		
C-10 C. Carrow	/	/		
C-11 B. Mckim	6:44 / 7:11	9:45 / 9:49	10:31/12:42	4:50/5:31
C-12 C. Mckim	6:41 / 7:09	5:58/6:00		
C-13 G. Reid	6:37 / 5:28	/		
C-14 N. Tracy	6:51 / 7:08	5:58/6:00		
C-15 G. Maichele	6:21/6:23	6:44 / 7:10	5:53	
C-16 S. Hunt	6:19 / 6:23	6:44 / 7:13	7:30/7:39	9:45/9:49
C-17 P. Smith	6:50 / 7:09	5:58 / 6:00		
C-18 R. Edwards	6:51 / 6:55	5:58/6:00		
C-19 R. Bartles	6:58 / 8:02	3:24 / 3:35		
C-20	/	/		
E-1 G. Stiles	6:11 / 11:30	12:25 / 2:00	2:40/	
E-2 ~~T. Granger~~ E. Casey	7:02 / 12:19	12:43 / 2:00	2:40/	
E-3 S. Stiles	12:25 /	/		
E-4 C. Swann	/	/		
E-5 T. Yashinski	/	/		
E-6 D. Simpadian	12:50 / 2:00			
~~A-1~~ E-9 R. Colleton	8:34 / 9:34	9:57 / 12:45	1:25/6:06	
~~A-2~~ E-3 R. Locsin	11:08 / 11:35	12:59/		
A-4	/	/		
C/E-1 D. Stubbs	9:4/ / 11:19	11:26 / 2:00		
C/E-2 M. Hrywnak	/	/		
C/E-3	/	/		
C/E-4	/	/		
S-1 Jon Palmer	/	/		
S-2 A. Palmer	/	/		
S-3 Jerry Palmer	6:00 / 2:00	/		
S-4 T. Cobb	/	/		
S-5 A. Fox	1:48 / 6:30 pm	/		
S-6	/	/		

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 5, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	/	/	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	/	/	
C-16 S. Hunt	10:19 / 10:49	12:15 / 12:41	2:32/2:41 3:16/3:45 5:42/5:51
C-17 P. Smith	/	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 5, 1990

No./Name	Time In/Out	Time In/Out	Remarks
A-2 D. Rall	6:27/8:14	8:38/9:45 9:58/12:09 12:55/[redacted]5:49	OHM
A-3 M. Miller	6:27/12:09	12:55/5:49	
A-4 J. Facio	6:48/12:09	12:53/5:10	
A-5 J. Lovewell	/	5:10	
c/E-7 A. Gonzales	/	5:10	
c/E-8 S. St Martin	/	5:10	
c/E-3 D. Tingue	7:02/11:56	12:25/3:39	Doug Meyers Landscaping
c/E-4 R. Crooks	7:02/11:56	12:25/3:39	
CHARLIE BAKER	3:37/4:00		
Adams Septic Service	9:05/9:15		
Dick Neely S-8	9:20/9:55		WVFD chief
Tom Gowan C-20	9:58/11:06		Beam Clean
Shorts Oil Co.	10:03/10:43		
UPS	10:23/10:24	3:31/3:36	
Don Waetinger S-7	11:02/1:09		Empire Soils
Bob Voigt	12:53/3:16		Rupp Mechanic
Jim Rafter	8:10/8:12	11:40/11:44 3:31/3:37	Spin Rite
Fred Osmond	8:10/8:15	11:40/11:48 3:31/3:37	General Crushed
Rick Szonne	8:10/8:16	4:05/4:14	Spin Rite
Frank Charland	8:25/8:33	12:09/12:22 3:31/3:40	General Crushed
Jim Coombs	8:29/8:41	12:15/12:22 4:05/4:14	"
Boyd Green JR.	8:33/8:44	9:37/9:43 10:44/10:49 11:56/12:06	
Boyd Green SR.	8:44/8:53	9:20/9:25 9:48/9:52 10:17/10:28 10:52/10:58 11:23/11:30	
Russ Layton	9:15/9:21	9:44/9:50 10:12/10:15 10:46/10:52 11:15/11:20 11:41/11:50	
Boyd SR.	11:50/11:55	12:15/1:02	
Russ Layton	12:09/12:18	12:56/1:19	
Pattons Busy Bee	1:37/2:00		
FedEx	1:43/1:55		
LINER TECH/GORMAN BROS	3:20/5:04		
JOAN CROCI	3:37/5:18		
ROADWAY	6:30		

PROJECT ENTRY PERMIT

DATE: 11-5-90 TIME IN: _____ TIME OUT: 7:50 pm

NAME: Dave Dekker

COMPANY: Conoco

BADGE No: C-1

Must Be Turned Into Security Within First 2hrs Of Next Work Day

PROJECT ENTRY PERMIT

DATE: 11-5-90 TIME IN: _____ TIME OUT: 7:50 pm

NAME: LaVonne Dekker

COMPANY: Conoco

BADGE No: C-2

Must Be Turned Into Security Within First 2hrs Of Next Work Day

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

RECEIVED
NOV 0 6 1990
EBASCO / ARCO

DATE: 11/5/90 DAY: MON HRS.WRK. 10 REPORT NO. 26

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I Ø SUPT._____

H&SO 1 ENG._____

C/SE Ø LABOR_____

P.M. Ø OPER._____

HOP 2 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. Ø ENG._____

OTHERS Ø LABOR_____

" _____ OPER._____

USCOE/EPA_____ OTHER_____

"

VISITORS EMPIRE - 1

SURVEYOR DOUG MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer		SEE		
Dozer				
Back Hoe		OHM		
Back Hoe				
Compactor		REPORT		
Compactor				
Dump Trk.				
Dump Trk.				
Others				
"				
"				
"				
"				

ECI - 11-5-90

MEETINGS:

PLAN OF DAY OHM: EXCAVATE SLA MATERIAL; PLACE GEOTEXTILE FARRIC ON TEST FILL; PLACE CRUSHED STONE ON TEST FILL TO EVEN OUT RUTS
DOUG MEYERS: CHECK SETTLEMENT RATE ELEVS.

SAFETY FOLLOW INSTRUCTIONS OF H&S OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION PLACE CRUSHED STONE TO A UNIFORM SURFACE

SLA EXCAVATION: SEE OHM REPORT

WASTEPILE CONSTRUCTION: SEE OHM REPORT

OTHER: SEE CANONIE REPORT

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	Ø	TESTFILL CONST.	CY	
			AGGREGETES	TON	Ø
			SETTLEMENT PLATES	EA	Ø
			OBSERVATION WELLS	EA	Ø
			GEOTEXTILE FAB	SY	Ø
SLA EXCAVATION			BEDDING MATERIAL	~~TON~~CY	108
GEOWASTE MATERIAL	CY	Ø	GEOTEXTILE FAB	SY	Ø
CANTAMINATED WASTE	CY	1260	CAYMAX	SY	Ø
CLEAN	CY	Ø	GEOMEMBRANE	SY	Ø
MISC.	CY	Ø	MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	Ø	GEOTEXTILE FAB	SY	4000
OBSERVATION WELLS	EA	Ø	BEDDING MATERIAL	CY	Ø
AGGREGATES	CY	Ø	GEOMAMBRANE	SY	1000
CLAYMAX	CY	Ø	EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON		NONE	
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO	NONE	
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI - 11-5-90

REPORT NUMBERS

SEE OHM REPORT #25 — Attached report required by Contract document

" " " " " "

" " " " " "

" " " " " "

COMMENTS NONE

TECHINICAL CONCERNS/PROBLEMS:

IN. PLACE DENSITY AND MOISTURE CONTENT DOES NOT MEET SPEC REQUIREMENTS

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	11	110
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: 11 Emps. Out: 11

Equipment: In: Out:

Venders Equipment: In: Out:

ACCIDENTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1

2 -NONE-

Accident/Breeches Report: -NONE-

RECEIVED
NOV 0 6 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-5-90 DAY: Mon HRS.WRK.____ REPORT NO. 25

WEATHER INFORMATION:

TEMPATURE: High____ Low____ WIND: Mph.____ Dir.____

PRECIPITATION:____ HUMIDITY:____

PERSONNEL: NON-MANUAL EBASCO. C.M.____ OHM. P.S. 1

F.E/I____ P.M.____

H&SO____ HOP____

C/SE____ "____

P.M.____ "____

HOP____

"____

"____

ARCO P.M.____

OTHERS____ SUB.____

"____ SUPV.____ EMPS____

USCOE/EPA____ SUB.____

"____ SUPV.____ EMPS____

VISITORS____

MANUAL OHM Gen. Labor 1 Equip. oper. 2

Truck drivers 2 Others____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer D6	9	1		
Dozer D3	9	1		
Back Hoe	9	1		
Back Hoe	1	9		
Compactor				
Compactor				
Dump Trk.	9	1		
Dump Trk.	9	1		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Excavation SLA Construction Waste Pile
TestFill 108 cy Stone
TestFill

SAFETY 0700 - 0715

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION 108 CY Stone
374 cy Dirt

SLA EXCAVATION: 1260 C.Y

WASTEPILE CONSTRUCTION: 936 cy

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE		TESTFILL CONST.	CY	108 CY
			AGGREGETES	TON	
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATERIAL	TON	108 CY
GEOWASTE MATERIAL	CY		GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY		CAYMAX	SY	
CLEAN	CY		GEOMEMBRANE	SY	
SLA	CY	1260	MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	196.6
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod	6	67
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
NOVEMBER 4, 1990

Sunday

Made inspection of site - All is o.k.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
NOVEMBER 3, 1990

Arrived at: 6:20 a.m.
Plan of Day:

Canonie

* Place rip rap east bank
* Excavate material at south end of east bank.
* Place rip rap west bank
* Hydro seed & mulch west bank

OHM

* Place gravel at T/F
* Excavate SLA & construction waste pile

Discussed dike extension bid with Dave D. I told him I would like to start toe trench Wednesday or Thursday of next week. He doesn't know if they will have a price by then. He told me they are having trouble with Charlie Baker's clay material fluff. There is about 15% more than they can verify they had agreed with Charlie on a C.Y. load count. And, he is holding them to it, even though their cross section shows the difference. I told him I could ask for density verification weight of load, compacted test pad on solid ground. He thinks that may be ncessary.

OHM concentrated on SLA excavation today. Had the bad area of waste that was wet 900 c.y. ± but the balance is consistant with the rest of the SLA.

Duran and Tom Y. left at 3:00 p.m.

Had odors, but no complaints at site.

RECEIVED
NOV 0 6 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11-3-90 DAY: SAT HRS.WRK. 10 REPORT NO. 25

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I ϕ SUPT._____

H&SO 2 ENG._____

C/SE ϕ LABOR_____

P.M. ϕ OPER._____

HOP 1 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. ϕ ENG._____

OTHERS ϕ LABOR_____

" _____ OPER._____

USCOE/EPA ϕ OTHER_____

" _____

VISITORS ϕ

SURVEYOR ϕ

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe		SEE		
Compactor				
Compactor		OHM		
Dump Trk.				
Dump Trk.				
Others		REPORT		
"				
"				
"				
"				

ECI - 11/3/90

MEETINGS:

PLAN OF DAY OHM: EXCAVATE SLA MATERIAL & PLACE IN STORAGE AREA

SAFETY FOLLOW INSTRUCTIONS OF HRS OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION: SEE OHM REPORT

WASTEPILE CONSTRUCTION: SEE OHM REPORT

OTHER: SEE CANONIE REPORT

ECI - 11/3/90

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	ϕ
SLA EXCAVATION		
GEOWASTE MATERIAL	CY	ϕ
CANTAMINATED WASTE	CY	2016
CLEAN	CY	ϕ
MISC.	CY	ϕ
MISC.	___	___

TYPE	UNIT	EST.QTY.
TESTFILL CONST.	CY	ϕ
AGGREGETES	TON	ϕ
SETTLEMENT PLATES	EA	ϕ
OBSERVATION WELLS	EA	ϕ
GEOTEXTILE FAB	SY	ϕ
BEDDING MATERIAL	TON	
GEOTEXTILE FAB	SY	ϕ
CAYMAX	SY	ϕ
GEOMEMBRANE	SY	ϕ
MISC.	___	ϕ
"	___	
"	___	
"	___	
"	___	

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
AGGREGATES	CY	
CLAYMAX	CY	
MISC.		
MISC.		

TYPE	UNIT	EST.QTY.
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	CY	
GEOMAMBRANE	SY	
EQUIP. FUEL&LUBE	GAL	
MISC.		
MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON		NONE	
USED OIL/LUBE.	GAL			
MISC.	___			

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO	NONE	
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI. 11/3/92

REPORT NUMBERS
SEE OHM REPORT # 24 Attached report required by Contract document
" " " " " "
" " " " " "
" " " " " "

COMMENTS NONE

TECHINICAL CONCERNS/PROBLEMS:
NONE

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	X 12	120
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In: 12 Emps. Out: 12
Equipment: In: Out:
Venders Equipment: In: Out:

ACCIDENTS/BREECHES OF PROCEDURES:
No. Time Location Emp.No./Equip.No. Injury/damage Response
1
2 NONE
Accident/Breeches Report:
NONE

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
NOVEMBER 2, 1990

Arrived at 6:15 am
Plan of Day:

Canonie
* Place slope protection rip rap - east bank.
* Fine grade inside slope - W/B.
* Place slope protection - west bank.
* Excavate material from south end east bank.

OHM
* Place gravel on test fill pad.
* Excavate SLA.

Meyers
* Lay out dike extension.
* Lay out grids @ SLA.

Electrical power was off when I arrived this morning. We unplugged all the equipment in the trailers, and I had the Hittman rep. buy cable and receptical to handle his equipment. We split it off the trailer load and tied it direct to the 200 amp pedestal.

The Dean of the college called. He had heard we had ordered an excavation of the area. I told him we had not issued any directive, and had no reason to consider doing so. He said the odor was really bad at his office. I explained that we were performing real time air monitoring at the source and the reading was well below the allowable limit. And, I would dispatch a man to take perimeter readings. If I have a concern, I will call him back. I asked if he would like to come over and review our readings - He declined.

We also had a call from a person saying he was the Superintendent of the public schools. He asked the same questions, and we gave him the same responses.

Ed Casey returned from the perimeter check. He reported the following:
* Giants parking lot - .00ppm
* Middle school, State St. - .00ppm
* Vo.Tech. student center bldg. - .01.5 ppm
* Support area yard - .02 ppm

I called Richard Neely and told him what we had found. He said he would come by later.

Rowland called, they are going to place the order for 40mil PVC. I called Liner Tech. and talked with Lou Jacobson. He normally ships 75'x150', but would look at the configuration. He has an ATV rig for pulling mat.
Faxed copies of drawings to Lou.

Dave D. returned today. He has been to a managers' meeting. (Monday, Tuesday, Wednesday and Thursday)

Discussed final inspection of river channelization with Kevin Fitzgerald. They will start the development of the final report.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 2, 1990

Arrived at 6:30 a.m.
Plan of Day:

Canonie

* Continue rip rap placements, required excavations and common backfill on east side.
* Continue rip rap on west dike slope.
* Seed and mulch sta. 0 to 5.

OHM

* Excavate SLA and haul to storage area.
* Complete gravel placement and grading of 1st lift of test fill.

Field Observations and Activities:

Canonie

* Received rip rap east and west side.
* Extending filter fabric, placing bedding stone, and rip rap on slope and horizontal section east side.
* Placed rip rap on upper half of west dike slope up stream of sta. 13+50 as fed by tracted loader.
* Hydroseeded slope from corps dike to station 5.

OHM

* Excavated SLA material and hauled to storage area adjacent to CELA. Compaction provided by tracks of wide track dozer during spreading.
  Received, loaded and hauled gravel to test fill area. Except for final grading, completed first lift.
* EBASCO installed thermister in Section 4.
* Odor from SLA excavation picked up at college and various places to north and west.

Meyer

* Shot levels on settlement plates.

Empire

* Took three nuclear densities and sand cones on SLA material in storage area.

Left site at 3.00 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
NOVEMBER 1, 1990

Arrived at 6:10 am
Plan of Day:

Canonie
* Place slope protection (rip rap) east bank.
* Excavate material at south end of east bank.
* Work T/S inside slopes west bank.
* Place hydro-mulch Sta.-0+00 to Sta. 4+00.
* Place slope protection (rip rap) west bank.

OHM
* Place gravel on test pad.
* Excavate SLA.

Doug Meyers
* Complete layout of waste pile.
* Layout dike extension - outside SLA.

Dan R. OHM has evaluated his operation and has decided to recommend to Mark H. that they more help (and better). They have only two people that he can depend on and not worry about. I agreed with him.

Discussed pre-final inspection of Canonie's work. To develop a punch list of items:

Cleanup
* Remove all trash, debris and items used during construction.
* Remove all survey stakes along o/s of dike.
* Remove all silt fences.
* PPE drums.

Fine Grade
* Areas disturbed o/s of dike structure.
* Swale along I/s of dike too.
* Stockpiles
* Haul roads
* Low areas.

Remove all Construction Equipment
* Emergency wash sta.
* Truck rinse water
* Decon pad.

Place Surplus Material In Designated Areas

* Rip Rap
* Stone
* Aggregates

Relocate/Remove Fences

* East Bank property lines

Mike Hrynick and Joe Salvatorie, USCOE came to discuss the sampling and analysis plan. Tom Y and Duran S. discussed with them:

* "How many samples do you plan to take?" Duran - "The spec. tells us how many at each grid (14'x14'). The total we see at this time is 288 surface and 36 sub-surface".
* "What will you be analyzing for?" Tom - "The spec. has a Table No.1 that identifies the perimeters.
* "Will you be sending these off site to a lab?" Tom - "We have set up an on-site lab - Hittman/EBASCO - and will also be shipping samples off site."
* "What is the on site lab testing for?" Tom - "GS's"
* "When do you plan to start sampling and testing?" Duran - "We plan to do a total run this afternoon."
* "How will you be shipping your offsite samples?" Tom, "by Fed-X." Mike - "We will probably have to take ours to the Buffalo airport. They will be going to Missouri Valley District. I think it is in Omaha, Nebraska. What will we need?" Tom - "Bottles, labels, cooler and ice."
* "At what elevation will you be taking samples?" I told them the ROD says we will not excavate below the G.W. table, so that is as deep as we are digging.

Weekly progress meeting - See minutes

Duran told me no one has ordered the cover material, and it may take two weeks to get it. I told him to place the order himself, with Rocco.

Bob Chaffee of Wellsville came over with the letter approving acceptance of Decon water. I updated him on the progress we have made to date.

Gave dike extension bid proposal, drawings and specs. to Allan M. of Canonie. I told him any item they had concerns with, I would like for them to qualify their price. The specs. are for only Division II - Most of the items covered by Division I will be furnished by EBASCO or negoiated.

RECEIVED
NOV 0 6 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 11/3/90 DAY: SAT. HRS.WRK. 10 REPORT NO. 119

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM 16:04 4.98 PM ____

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I		R.E.
	H&SO		P.E. 1
	C/SE		QCM 1
	P.M.		H&SO
	HOP		P.M.
	"		P.SEC 1
	"		HOP
ARCO	P.M.		"
OTHERS		CANONIE SUB.	
"		SUPV.	EMPS.
USCOE/EPA	1	SUB.	
"		SUPV.	EMPS.
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor ____ Equip. Oper. ____

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	5			
" 963	5			
" D-6	8			
" 12G	5			
(Sheep)Compactor	5			
(Smooth) "		STAND-BY		
Canonie Wtr. Trk		OFF SITE FOR REPAIRS		
Hertz Wtr.Trk	3			
(E. Bank) Cat 235	10			
Komatsu PC 200	5			
Generator / Steam Genny		STAND BY		
1/2 ton pickup	10			
Mechanic Trucks		OFF-SITE		
(2) INTERNATIONAL 433	10			

MEETINGS:

PLAN OF DAY W. Bank Continue w/ Hydroseeding & Continue w/ Riprap Placement E. Bank Continue Construction Of Dike Bench & Continue Removal Of Cut Area & Filling Of O.D River Channel

SAFETY

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #605 - Place West Bank Riprap Protection
#607 - Topsoil & Seed West Bank Area

EAST BANK #705 - Place East Bank Riprap Protection
#701 - Remove East Bank Cut Area
#707 - Topsoil & Seed East Bank Area

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	10 100 - W. BANK 50 - E. BANK
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. BANK	1	15+25 To 16+75	A-6	RIPRAP		X	
W. BANK	2	2+00 To 5+00	A-10	SEED		X	
E. BANK	3	1+00 To 0+10	A-6	GT		X	
E. BANK	4	1+00 To 0+10	A-7	BEDDING		X	
E. BANK	5	1+00 To 0+10	A-6	RIPRAP		X	
	6						
	7						
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

C-1, C-2, C-3 still onboard. no incidents

C-A R Fry

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY:	CLIENT:	DATE:
Frank J. Contaoski		11/3/90
CLIENT: Sinclair Refinery Project	PE/PS	
JOB NO: 88-093	LOCATION OF WORK: Wellsville, NY	

ACTIVITY: West Bank

Activity #605 - Place West Bank Riprap Protection

- Riprap Placed On Upper Portion Of Slope From Sta. 15+25 To 16+75.
- Geotextile & Bedding In This Area Placed Previously

Activity #607 - Topsoil & Seed West Bank Area

- Seeded, Mulched, Fertilized & Lime Using Hydroseeding Equipment From Sta. 2+00 To 5+00
- Only The Slopes Were Seeded & Swale & Ditch Area Requires Additional Grading

East Bank

Activity #701 - Remove East Bank Cut Area

- Continued Removal Of East Bank Cut Materials w/ Pay Scrapers
- Removed Approximately 1500 Cubic Yards
- Material Removed From This Area Was Used As Fill In Old River Channel

Activity #705 - Place East Bank Riprap Protection

- Pulled Geotextile From Lower Down On Slope To Bench Area From Sta. 0+10 To 1+00.
- Bedding Stone & Riprap Placed On Geotextile As Shown On Project Drawings

Activity #707 - Topsoil & Seed East Bank Area

- Placed Topsoil To Left Of Haul Road From Sta. 4+50 To 9+00

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

GEOTEXTILE

FORM 3
SHEET ____ OF ____
INSPECTION DATE 11/3/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 0+10 TO 1+00 E. BANK

5. REMARKS _____

INSPECTOR Pete Porter DATE 11/3/90

REVIEWED BY MH DATE 11-6

BEDDING

FORM A
SHEET ___ OF ___
INSPECTION DATE 11/3/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: None Required

4. BEDDING LOCATION

DIKE STATION 0+10 TO 1+00 E. Bank

5. REMARKS

INSPECTOR Pete Porter DATE 11/3/90

REVIEWED BY [signature] DATE 11/6

RIP RAP

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 11/3/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X	____	____
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X	____	____
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X	____	____
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X	____	____

3. DUST CONTROL

ACTION TAKEN: None Required

4. RIPRAP LOCATION

DIKE STATION 0+10 / 15+25 TO 1+00 / 16+75 E. Bank / W. Bank

5. REMARKS

INSPECTOR Pete Porter DATE 11/3/90

REVIEWED BY [signature] DATE 11/6

SEEDS AND FERTILIZERS

FORM A-10
SHEET ____ OF ____
INSPECTION DATE 11/3/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH SPECIFICATION REQUIREMENTS.	X		
- SEEDS ARE DRY AND FREE OF DAMAGE.	X		
- FERTILIZER IS FREE OF MOISTURE AND LUMPS.	X		
2. PLACEMENT			
- AREA RECEIVING SEEDS AND FERTILIZERS IS SCARIFIED OR LOOSE, AND FREE OF STONES LARGER THAN 6 INCHES.	X		
- PLANTING SEASON IS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND ACCEPTED BY CONSTRUCTION MANAGER.	X		
3. VERIFICATION TESTING			
- 1 TEST SAMPLE FOR EVERY 200 LBS. OF SEED MIXTURE OR 1 SAMPLE FROM EACH LOT WHICHEVER GOVERNS IS TAKEN AND SENT FOR TESTING.	X		
- TEST RESULTS MEET OR EXCEED THE REQUIREMENTS OF THE SPECIFICATIONS.	X		

4. REMARKS See Attached Seed Manufacturer's Ticket For Test Information On Grass Seed Placed Today

INSPECTOR Frank Contowski DATE 11/3/90

REVIEWED BY MM DATE 11-6

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 3, 1990

No./Name	Time In/Out	Time In/Out	Remarks IN/OUT	IN/OUT	IN/OUT
C-1 D. Dekker	6:25/7:30 10[illegible]/10:12	10:42/12:15	12:55/3:09	3:44/4:25	4:55/
C-2 L. Dekker	6:25/10:12	10:42/12:15 12:55/3:09	3:44		
C-3 P. Porter	6:35/12:16	12:53/	/		
C-4 A. Muellerleile	/	/			
C-5 C. Ettinger	/	/			
C-6 F. Gontowski	6:45/7:39	7:50/8:33	9:00/12:16	12:53/5:34	
C-7 C. Chang	/	/			
C-8 J. App	/	/			
C-9 G. Lazusky	/	/			
C-10 C. Carrow	/	/			
C-11 B. Mckim	6:27/7:00	7:12/7:13	5:35/5:36		
C-12 C. Mckim	6:28/7:00	5:30/5:31			
C-13 G. Reid	6:25/[redacted] 8:33	9:00/5:34			
C-14 N. Tracy	/	/			
C-15 G. Maichele	/	/			
C-16 S. Hunt	[redacted]/	/			
C-17 P. Smith	6:35/7:00	5:30/5:31			
C-18 R. EDWARDS	6:35/[redacted] 8:33	9:00/11:55	12:28/5:34		
C-19 R. Bartels	/	/			
C-20	/	/			
E-1 G. Stiles	6:15/8:32	9:31/11:48	12:35/5:53		
E-2 T. Granger	/	/			
E-3 S. Stiles	12:36/2:50	3:34/4:25			
E-4 C. Swann	/	/			
E-5 T. Yashinski	6:21/12:03	12:24/2:00			
E-6 D. SIMPADIAN	6:35/11:59	12:07/12:40	12:54/2:40		
E-7 E CASEY	6:51/10:25	10:42/12:03	12:28/[redacted] 5:53		
A-2	/	/			
A-4	/	/			
C/E-1 D. Stubbs	11:00/1:00	/			
C/E-2	/	/			
C/E-3	/	/			
C/E-4	/	/			
S-1 Jon Palmer	/	/			
S-2 A. Palmer	/	/			
S-3 Jerry Palmer	/	/			
S-4 T. Cobb	/	/			
S-5 A. Fox	6:00/6:30	/			
S-6	/	/			

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 3, 1990

No./Name	Time In/Out	Time In/Out	Remarks	
A2 D.RALL	6:27/10:21	11:00/12:01	12:35/5:00	OHm
A3 m. MILLER	6:27/12:01	12:35/5:00		OHm
A4 J. FACIO	6:45/12:01	12:30/5:00		
A5 R MOYER	6:45/12:01	12:30/5:00		
C/E7 J. LOVEWELL	6:45/12:01	12:30/5:00		
C/E8 A GONZALEZ	6:45/5:01			
~~C/E 3 D TINGUE~~				
~~C/E 4 R. CROOKS.~~				
D RALL	8:40/9:35			OHm
D RALL	8:40/9:35			[redacted] OHm
H. COLLIERSON	9:05/1:27	2:03/3:00		EBASCO
B ZANDERS	9:30/10:30			SHORTS OCC
J. KINGS	12:55/1:00			BRADford AK

RECEIVED
NOV 0 3 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-3-90 DAY: SAT HRS.WRK. 10 REPORT NO. 24

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. 1

F.E/I_____ P.M._____

H&SO_____ HOP_____

C/SE_____ "_____

P.M._____ "_____

HOP_____

"_____

"_____

ARCO P.M._____

OTHERS_____ SUB._____

"_____ SUPV._____ EMPS_____

USCOE/EPA_____ SUB._____

"_____ SUPV._____ EMPS_____

VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 2

Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer D6	9	1		
Dozer D3	9	1		
T/Back Hoe	9	1		
Back Hoe	0	9		
Compactor				
Compactor				
Dump Trk.	9	9		
Dump Trk.	9	9		
Others				
"				
"				
"				
"				

PAGE: 1 OF____

MEETINGS:
PLAN OF DAY Excavation SLA
Construction Westepile

SAFETY 0700-0715

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)
TESTFILL CONSTRUCTION

None

SLA EXCAVATION: 2016 CY

WASTEPILE CONSTRUCTION: 2016 CY

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	_____
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	7016	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	~~DFE~~
CLAYMAX	CY	_____	EQUIP. FUEL&LUBE	GAL	Diesel 140.2
MISC.	____	_____	MISC.	____	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	_____	_____
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 2, 1990

Arrived at 6:30 am
Plan of Day:

Canonie
* Continue rip rap placements, required excavations and common backfill on east side.
* Work rip rap on West dike scope.
* Seed and mulch sta. 0 to 5.

OHM
* Excavate SLA and haul to storage area.
* Complete gravel placement and grading of 1st lift of test fill.

Field Observations and Activities:

Canonie
* Received rip rap east and west side.
* Extending filter fabric, placing bedding stone and rip rap on slope and horizontal section east side.
* Placed rip rap on upper half of west dike slope up stream of sta. 13+50 as fed by tracted loader.
* Hydroseeded slope from corps dike to station 5.

OHM
* Excavated SLA material and hauled to storage area adjacent to CELA. Compaction provided by tracks of wide track dozer during spreading.
* Received, loaded and hauled gravel to test fill area. Except for final grading, completed first lift.
* EBASCO installed thermistor in section 4.
* Odor from SLA excav. picked up at college and various places to north and west.

Empire
* Took 3 nuclear densities and sand cones on SLA material in storage area.

Meyer
* Shot levels on settlement plates.

Left site at 3:00 p.m.

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

RECEIVED

NOV 0 6 1990

EBASCO/ARCO

DATE: 11/2/90 DAY: FRI HRS.WRK. 10 REPORT NO. 178

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM 5:20 5.05 PM ____

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. 1

	F.E/I 1	R.E. 1	
	H&SO	P.E. 1	
	C/SE	QCM 1	
	P.M.	H&SO 1	
	HOP	P.M.	
	"	P.SEC 1	
	"	HOP	
ARCO	P.M.	"	
OTHERS		CANONIE SUB. App Surveyors	
"		SUPV. ____ EMPS. 2	
USCOE/EPA	1	SUB. ____	
"		SUPV. ____ EMPS. ____	
VISITORS	See Security Log		

MANUAL CANONIE GEN. Labor ____ Equip. Oper. ____

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	5			
" D-6	10			
" 12G	5			
(Sheep)Compactor	5			
(Smooth) "	2			
Canonie Wtr. Trk		Off-Sites For Repairs		
Hertz Wtr.Trk	5			
(E. Bank) Cat 235	10			
Komatsu PC 200	8			
Generator / Steam Genny		Stand-By		
½ ton pickup	10			
Mechanic Trucks	8			
(2) International 4x4	10			

MEETINGS:

PLAN OF DAY W. Bank Continue w/ Riprap Placement; Begin Seeding At North End
E. Bank Continue w/ Riprap Placement In Toe Trench & On Bench; Continue East Bank Cut Operations

SAFETY Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #605 - Place West Bank Riprap Protection
#607 - Topsoil & Seed West Bank Areas

EAST BANK #701 - Remove East Bank Cut Area
#703 - Construct East Bank Toe Trench
#705 - Place East Bank Riprap Protection
Miscellaneous

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	25
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	313 - W. BANK 280 - E. BANK
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	2000
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	262.55 - W. BANK 363.43 - E. BANK
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

PLACED TOP OF TOE TRENCH GRADES ALONG EAST BANK, AS WELL AS STAKING OUT BENCH FROM 0+00 TO 1+50; PERFORMED AS-BUILT SURVEY OF OUTSIDE FACE OF WEST BANK DIKE

QA/QC ACTIVITIES:

	INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. BANK	1	13+75 TO 15+25	A-8	RIPRAP		X	
	2	0+00 TO 2+00	A-10	SEED		X	
E. BANK	3	1+60 TO 1+00	A-6	GT		X	
	4	1+60 TO 1+00	A-7	BEDDING		X	
	5	1+60 TO 1+00	A-8	RIPRAP		X	
	6						
	7						
	8						
	9						
	10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

No Incidents or accidents to report today — November 2, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

CLIENT:	DATE:
Frank Gontrowski	11/2/90
CLIENT: Sinclair Refinery Site	PE/PS
JOB NO: 88-093	LOCATION OF WORK: Wellsville, NY

ACTIVITY: W. Bank

Activity # 605 - Place West Bank Riprap Protection

- Placed Riprap On Upper Portion Of Slope From Sta. 13+75 To 15+35
- Geotextile & Bedding Were Placed Previously

Activity # 607 - Topsoil & Seed West Bank Areas

- Placed Seed, Fertilizer, Lime & Mulch In Culvert Area And Basin Area From Sta. 0+00 To 2+00
- Hydro Seeding Equipment Used To Place These Materials

E. Bank

Activity # 701 - Remove East Bank Cut Area

- Continued East Bank Cut Area Operations
- Approximately 1550 CY Of Material Removed
- Fill From Cut Area Used To Fill In Old River Channel

Activity # 703 - Construct East Bank Toe Trench

- Placed Riprap In Toe Trench To Final Grade From Sta. 2+00 To 0+50
- Geotextile & Bedding Stone, As Well As Some Riprap, Were Placed Previously

Activity # 705 - Place East Bank Riprap Protection

- Pulled Geotextile From Further Down Slope Into Position, Placed Bedding Stone And Riprap On Bench Area From Sta. 1+00 To 1+60

Miscellaneous

- Repaired Break In 24" ϕ Culvert Pipe & Tributary

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

GEOTEXTILE

FORM A
SHEET ____ OF ____
INSPECTION DATE 11/2/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S MILL CERTIFICATE OR AFFIDAVIT HAS BEEN PROVIDED (ATTACH COPY)	X		
- FREE FROM DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE	X		
2. PLACEMENT			
- SURFACES TO RECEIVE GEOTEXTILE ARE FREE OF DEBRIS.	X		
- FINAL IN-PLACE LOCATION OF GEOTEXTILE COMPLIES WITH CONTRACT DRAWING.	X		
- INSTALLATION INCLUDING SEAMS, IS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	X		
3. VERIFICATION TESTING			
- 1 INSPECTION OF OVERLAPS AND SECURING METHODS AT 25' SPACING ALONG SEAM OR ONCE PER PIECE.	X		
- 1 SEAM STRENGTH TEST FOR EVERY 2500 FEET LENGTH OF SEAM.			X

4. GEOTEXTILE LOCATION

DIKE STATION 1+60 TO 1+00 E. BANK

5. REMARKS _____

INSPECTOR Pete Porter DATE 11/2/90

REVIEWED BY [illegible] DATE 11.6

FORM A
SHEET ____ OF ____

BEDDING

INSPECTION DATE 11/2/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- BEDDING MATERIAL OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER.	X		
- FREE FROM SOFT, NON-DURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES.	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS.	X		
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF BEDDING IS AS SHOWN ON CONTRACT DRAWINGS.	X		

3. DUST CONTROL

ACTION TAKEN: None Required

4. BEDDING LOCATION

DIKE STATION 1+00 TO 1+60 E. Bank

5. REMARKS

INSPECTOR Pete Porter DATE 11/2/90

REVIEWED BY MM DATE 11.6

:IP RAP

FORM A-8
SHEET ___ OF ___
INSPECTION DATE 11/2/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X	___	___
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X	___	___
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X	___	___
2. PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X	___	___
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X	___	___

3. DUST CONTROL

ACTION TAKEN: None Required

4. RIPRAP LOCATION

DIKE STATION 1+00 (13+75) TO 1+60 (15+25) W. Bank / E. Bank

5. REMARKS ___

INSPECTOR ~~Peterson~~ DATE 11/2/90

REVIEWED BY ~~MM~~ DATE 11.6

SEEDS AND FERTILIZERS

FORM A-10
SHEET ____ OF ____
INSPECTION DATE 11/2/90

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH SPECIFICATION REQUIREMENTS.	X		
- SEEDS ARE DRY AND FREE OF DAMAGE.	X		
- FERTILIZER IS FREE OF MOISTURE AND LUMPS.	X		
2. PLACEMENT			
- AREA RECEIVING SEEDS AND FERTILIZERS IS SCARIFIED OR LOOSE, AND FREE OF STONES LARGER THAN 6 INCHES.	X		
- PLANTING SEASON IS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND ACCEPTED BY CONSTRUCTION MANAGER.	X		
3. VERIFICATION TESTING			
- 1 TEST SAMPLE FOR EVERY 200 LBS. OF SEED MIXTURE OR 1 SAMPLE FROM EACH LOT WHICHEVER GOVERNS IS TAKEN AND SENT FOR TESTING.	X		
- TEST RESULTS MEET OR EXCEED THE REQUIREMENTS OF THE SPECIFICATIONS.	X		

4. REMARKS See Test Results From Manufacturer's Labels For Seed Placed Today - Copies Of Labels Attached

INSPECTOR Frank Gontowski DATE 11/2/90

REVIEWED BY MH DATE 11-6

P. O. BOX 366
BUFFALO, NY 14240

Stanford Seed

MUDDY CREEK ROAD
DENVER, PA 17517

(2) 11/2

CANONIE MIXTURE

PURE SEED		GERMINATION + H.S.
63.85%	RED FESCUE-CREEPING TYPE CANADA ORIGIN	95%
25.30%	PERENNIAL RYEGRASS	90%
8.99%	WHITE CLOVER VARIETY NOT STATED-NEW ZEALAND ORIGIN	85% + 0%
1.00%	INERT MATTER	
.66%	OTHER CROP SEED	
.20%	WEED SEED	

NET WT. 33#
1/2 ACRE PKG.

BROOKS FARM & HOME CENTER WELLESVILLE, NY 14895
LOT 21037-75941 TEST DATE - OCT, 1990

P. O. BOX 366
BUFFALO, NY 14240

Stanford Seed

MUDDY CREEK ROAD
DENVER, PA 17517

(1) 11/[redacted]2

CANONIE MIXTURE

PURE SEED		GERMINATION + H.S.
63.85%	RED FESCUE-CREEPING TYPE CANADA ORIGIN	95%
25.30%	PERENNIAL RYEGRASS	90%
8.99%	WHITE CLOVER VARIETY NOT STATED-NEW ZEALAND ORIGIN	85% + 0%
1.00%	INERT MATTER	
.66%	OTHER CROP SEED	
.20%	WEED SEED	

NET WT. 33#
1/2 ACRE PKG.

BROOKS FARM & HOME CENTER WELLESVILLE, NY 14895
LOT 21037-75941 TEST DATE - OCT, 1990

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 11/2/90

Work Areas Checked: East bank dike
Support zone yard
west bank dike

Employees Present in Work Areas: N. Tracy, D. Reid, G. Granchelle, S. Stent, B. Merkin, C. Merkin, P. Smith, R. Edwards, P. Porter, Frank Gontowski, S. Ethridge

Equipment Being Utilized: 2 trackhoes, 2 Scrapers, Grader, Compactor, loader, dozer, Hydro-seeder

PPE Being Utilized: level D (safety glasses for seeder operator)

Accidents/Breeches of Procedures: None

LTH & SAFETY 11/2/90

CTIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	3, 5, 1, 1, 1	18, 50, 5, 10, 4
"C"		
"B"		
OTHER		

AIR MONITORING:

Sample	Time	Location	Instrument	Sample type	Results
1	0831	Support zone yard	HNu	Real Time	1ppm
2	0844	Clean Rd. east of trailers	HNu	RT	4ppm
3	0911	Tool area	HNu	RT	0.5ppm
4	0917	22 tool area	HNu	RT	0.5ppm
5	1115	S.E. yard	HNu	RT	0.5ppm
6	1117	Clean rd east of trailers	HNu	RT	1.5ppm
7	1410	yard	HNu	RT	0.5ppm
8	1412	Clean Rd east of trailers	HNu	RT	0.5ppm
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	1200	yard	3/Hydro seeder	D	None
2	1330	East 54-K	4/2 Trackhoes, dozer, 2 Scrapers Compactor	D	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS: OHM-17

Personnel: Emps. In: ✓ Emps. Out: ✓

Equipment: In: ✓ Out: ✓

Venders Equipment: In: ✓ Out: ✓

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report:

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 11/2/90

Equipment: HNu

Real-Time Air Monitoring Results and Work Area

HNu levels found in Support Zone yard were 0-2 ppm above background. HNu levels on the clean rd next to the SCA were from 0-10 ppm above background these levels were during early to mid-morning operations by OHM contractors.

Personnel Sampling

None

Name	Date	IWA

Calibration Method for Equipment

HNu = 11 ppm Isobutylene

PM activities. East bank soil placement, rip wrap work. West bank Hydro seeder preparation
(OHM contractors moving SLA fill material)
PM activities: same as AM's.

Time: 0830, Temp ± 53°F, clear, no wind
Time: 1113, Temp ± 60°F, clear, slight SW wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
11/2/90-0831	Support zone yard	HNu	PI101	Cal = 111ppm Isobutylene By = 0.5ppm	1.0 ppm	Real Time
11/2/90-0844	Clean Rd East of trailers	HNu	PI101	Same	4 ppm	R.T.
11/2/90-0911	7+00 area	HNu	PI101	Same	0.5ppm	RT
11/2/90-0917	22+00 area	HNu	PI101	Same	0.5ppm	RT
11/2/90-1115	Yard	HNu	PI101	Same	0.5ppm	RT
11/2/90-1117	Clean Rd East Of Trailers	HNu	PI101	Same	1.5ppm	RT
11/2/90-1410	Yard	HNu	PI101	Same	0.5ppm	RT
11/2/90-1412	Clean Rd East of trailers	HNu	PI101	Same	0.5ppm	RT

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 2, 1990

No./Name	Time In/Out	Time In/Out	Time In/Out	Remarks
A-2 D. Rall	6:28/12:29	1:03/5:19	6:06/6:27	OHM
A-3 M. Miller	6:28/12:29	1:03/5:19		
A-4 J. Facio	6:50/12:24	1:11/5:01		
A-5 R. Mayer	6:50/12:24	1:11/5:01		
C/E-7 J. Lovewell	6:50/12:24	1:11/5:01		
C/E-8 A. Gonzales	6:50/5:01			
C/E-3 D. Tingue	6:54/11:55	12:38/3:42		Meyer's Landscaping
C/E-4 R. Crooks	6:54/11:55	12:38/3:42		
Mike Ludden	7:12/7:14			Bakers
Jim Rafter	8:05/8:08	11:35/11:38	3:01/3:05	Spin Rite
Fred Osmond	8:15/8:18			General/Crushed
Frank Charland	8:29/8:34			"
Rob Hall	8:30/8:34	11:55/11:57	3:21/3:24	Spin Rite
Boyd Green Jr	8:37/8:40	9:37/9:57 10:59/11:11	12:17/12:22 1:58/2:12	3:21/3:25
SKUBA	8:44/9:16			pick up D-5
Ray Charland	8:49/8:54	4:46/4:56		General/Crushed
Rick Szanne	9:05/9:08			Spin Rite
Brian Johnson	9:31/9:32			WPD
Tim Walsh	9:31/9:32			WPD
UPS	10:20/10:23			
John Clancy	10:23/10:30			job prospect
Don Wartinger C-10	10:54/2:12			Empire Soils
Dick Neely S-9	11:46/12:02			WVFD
Charlie Baker	11:52/12:02	1:15/1:16	3:59/4:09	
Dale Zanders	11:55/12:22			Shorts Oil Co.
DHL	1:33/1:36			delivery/Ebasco
Tom Gowan C-7	1:40/3:00			Beam Clean
Steve Blitz	1:50/1:53			House of Glass
Brent Cobin	1:50/1:53			"
Brooks Farm 3 Home Servi	2:30/2:34			delivery/Ebasco
Fed Ex	2:30/2:34			2pc pickup/1pc delivery
MRS. C. McKim	2:41/2:42			redi-off bails car
MRS G REID	2:41/2:42			"
UPS	3:40/3:42			2pc. pickup
Royer Sick	4:46/4:56			

P Porter
E. Gontovski } Still Here
~~D. Rall~~

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 2, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	6:33 / 7:14	8:25 / 11:11	11:16/11:18
C-2 L. Dekker	6:33 / 11:11	11:16 / 11:18	
C-3 P. Porter	6:47 / 7:14	8:25 / 12:09	1:05/1:23 1:39/1:53
C-4 A. Muellerleile	7:23 / 7:44	8:31 / 11:07	
C-5 C. Ettinger	7:00 / 9:11	9:59 / 12:05	12:47/1:36 1:55/3:38 4:11/4:30
C-6 F. Gontowski	6:49 / 11:07	11:09 / 11:19	11:39/12:09 12:47/12:54
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:52/7:26	8:18 / 1:37	2:18/2:25 3:23/4:00
C-10 C. Carrow	8:22 /	/	
C-11 B. Mckim	6:39 / 7:10	5:31/5:33	
C-12 C. Mckim	6:39 / 7:10	5:31/5:33	
C-13 G. Reid	6:39/2:39	3:15 / 3:36	4:11/5:33
C-14 N. Tracy	6:46/7:10	/	
C-15 G. Maichele	6:26/6:31	6:46/7:34	8:00/8:55 10:07/10:57
C-16 S. Hunt	6:29/6:31	6:46/7:34	8:00/8:55 10:06/10:57
C-17 P. Smith	6:47/7:08	/	
C-18 R. EDWARDS	6:50/8:55	10:07/12:09	12:47/12:54 1:12/1:36
C-19 R. Bartels	6:52/7:26	8:18 / 11:46	12:11/1:51 3:23/4:00
C-20	/	/	
E-1 G. Stiles	6:16/8:44	9:26 / 11:22	12:09/12:58 1:55/3:43 4:06/6:03
E-2 ~~T. Granger~~ E. Casey	7:02 / 10:01	10:19 / 1:19	1:47/6:01
E-3 S. Stiles	12:09/6:03	/	
E-4 C. Swann	6:34 / 8:04	8:55 / 12:22	1:00/2:56
E-5 T. Yashinski	6:43/12:23	1:06 / 6:01	
E-6 R. Colleton	8:30 / 8:44	9:26 / 1:36	2:18/5:48
~~A-1~~ D. Simpadian	6:45 / 12:23	1:06 / 6:01	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:51 / 12:44	/	
C/E-2 M. Hrynak	10:30 / 1:23	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:00	/	
S-4 T. Cobb	1:44 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 2, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	2:14 / 2:25	5:31 /	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	3:21 / 3:37	4:11 /	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	11:07 / 12:09	12:47 / 12:51	1:07 / 2:04
C-16 S. Hunt	11:07 / 12:09	12:47 / 12:52	
C-17 P. Smith	/	/	
C-18 R. Edwards	1:37 / 2:39	3:15 / 3:38	4:11 / 5:49
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

RECEIVED
NOV 0 3 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11-2-90 DAY: FRI HRS.WRK. 10 REPORT NO. 24

WEATHER INFORMATION:

TEMPATURE: High____ Low____ WIND: Mph.____ Dir.____

PRECIPITATION:____ HUMIDITY:____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB.____

F.E/I Ø SUPT.____

H&SO 2 ENG.____

C/SE 1 LABOR____

P.M. Ø OPER.____

HOP 1 OTHER____

" ____ SUB.____

" ____ SUPT.____

ARCO P.M. Ø ENG.____

OTHERS Ø LABOR____

" ____ OPER.____

USCOE/EPA 1 OTHER____

"

VISITORS EMPIRE - 1

HITTMAN-EBASCO - 1

SURVEYOR DOUG MEYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe				
Compactor				
Compactor				
Dump Trk.				
Dump Trk.				
Others				
"				
"				
"				
"				

SEE OHM REPORT

ECI - 11/2/90

MEETINGS:

PLAN OF DAY OHM: EXCAVATE SLA & MOVE TO STORAGE AREA; COMPLETE PLACEMENT OF CRUSHED STONE ON TEST FILL
EMPIRE: IN-PLACE DENSITY & MOISTURE CONTENT TESTS
DOUG MEYERS: LOCATE SAMPLING GRID IN EXCAVATED AREAS
SURVEY SETTLEMENT PLATES IN TEST FILL • HITTMAN-EBASCO: DRY TEST RU

SAFETY FOLLOW INSTRUCTIONS OF H&S OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION COMPLETE PLACEMENT OF CRUSHED STONE ON TEST FILL

SLA EXCAVATION: SEE OHM REPORT
AIR QUALITY MONITORING WAS INCREASED

WASTEPILE CONSTRUCTION: SEE OHM REPORT

OTHER: SEE CANONIE REPORT

ECI - 11/2/90

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	ϕ
SLA EXCAVATION		
GEOWASTE MATERIAL	CY	ϕ
CANTAMINATED WASTE	CY	1944
CLEAN	CY	
MISC.	CY	
MISC.		

TYPE	UNIT	EST.QTY.
TESTFILL CONST.	CY	ϕ
AGGREGETES	TON	ϕ
SETTLEMENT PLATES	EA	ϕ
OBSERVATION WELLS	EA	ϕ
GEOTEXTILE FAB	SY	ϕ
BEDDING MATERIAL	~~TON~~CY	252
GEOTEXTILE FAB	SY	
CAYMAX	SY	
GEOMEMBRANE	SY	
MISC.		
"		
"		
"		
"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
AGGREGATES	CY	
CLAYMAX	CY	
MISC.		
MISC.		

TYPE	UNIT	EST.QTY.
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	CY	
GEOMAMBRANE	SY	
EQUIP. FUEL&LUBE	GAL	
MISC.		
MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON		NONE	
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO	NONE	
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI - 11/2/90

REPORT NUMBERS
SEE OHM REPORT Attached report required by Contract document
33 " " " " " "
" " " " " "
" " " " " "

COMMENTS HIGH ODORS FROM EXCAVATION CAUSED CONCERN IN THE COMMUNITY. HOWEVER; NO ACTION WAS REQUIRED SINCE READINGS WERE WITHIN ACCEPTABLE LIMITS

TECHINICAL CONCERNS/PROBLEMS:
IN-PLACE DENSITY & MOISTURE CONTENT OF WASTEPILE DOES NOT MEET SPEC REQUIREMENTS

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod	11	110
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In: WASH/RINSE Emps. Out:
Equipment: In: wipe/dry. Out:
Venders Equipment: In: HITTMAN EBASCO Out:

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1		none			
2					

Accident/Breeches Report: none

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-2-90 DAY: Fri HRS.WRK. 10 REPORT NO. 23

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. 1

F.E/I_____ P.M._____

H&SO_____ HOP_____

C/SE_____ " _____

P.M._____ " _____

HOP_____

" _____

" _____

ARCO P.M._____

OTHERS _____ SUB._____

" _____ SUPV.____ EMPS____

USCOE/EPA_____ SUB._____

" _____ SUPV.____ EMPS____

VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 2

Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer D6	9	1		
Dozer D3	9	1		
Back Hoe	9	1		
Back Hoe	0	90		
Compactor				
Compactor				
Dump Trk.	9	1		
Dump Trk.	9	1		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Haul Stone To TestFill

Haul SLA To Wastepile
Exca SLA.

SAFETY 0700-0715

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION Spdt Stone on TestFill 252CY and Leveled

SLA EXCAVATION: 1944 CY

WASTEPILE CONSTRUCTION: 1944 CY

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	257CY
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	1944	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAYMAX	CY	_____	EQUIP. FUEL&LUBE	GAL	_____
MISC.	___	_____	MISC.	___	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	_____	_____
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 1, 1990

Arrived at: 6:50 a.m.

Plan of Day:

Canonie

* Continue rip rap placement on east and west sides.
* Continue required excavations and hauling to common fill area.

OHM

* Haul SLA material.
* Haul stone to test fill area.

Field Observations and Activities:

Canonie

* Continued toe trench rip rap placement on east side.
* Continued required excavation south of Sta. 21 with 2 scrapers working in tandem. Hauled excavated material to common fill area near Sta. 3 - 6.
* Continued rip rap placement on west dike scope.
* Continued west dike slope trim.

OHM

* Continued hauling SLA material to storage area with compaction by wheels of hauling equipment and nominal track walking by wide track dozer.
* Placed filter fabric over pumping tar area and added an additional 1' of stone in attempt to stabilize for hauling equipment.
* Extended clearing of SLA storage area.

Meyers

* Took level measurements on settlement plates.
* Staked limits of SLA and SLA storage area. Shot in dike sections.

Empire

* Took three nuclear and three sand cone densities. Carried moisture samples to lab for check on nuclear. Compaction results this day in mid 80s - moistures in 60s (30% plus above opt. moisture)

Left site at 7:30 p.m.

RECEIVED
NOV 0 2 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11-1-90 DAY: THURS HRS.WRK. 10 REPORT NO. 23

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL

EBASCO.	C.M.	1	SUB.	
	F.E/I	0	SUPT.	
	H&SO	2	ENG.	
	C/SE	1	LABOR	
	P.M.	0	OPER.	
	HOP	1	OTHER	
	"		SUB.	
	"		SUPT.	
ARCO	P.M.	0	ENG.	
OTHERS		0	LABOR	
"			OPER.	
USCOE/EPA		2	OTHER	
"				

VISITORS HITTMAN-EBASCO - 1
EMPIRE - 1

SURVEYOR DOUG MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe		SEE		
Compactor				
Compactor		OHM		
Dump Trk.				
Dump Trk.		REPORT		
Others				
"				
"				
"				
"				

ECI- 11/1/90

MEETINGS:

PLAN OF DAY OHM: PLACE CRUSHED STONE ON NORTH END OF TEST FILL; EXCAVATE SLA MATERIAL & PLACE IN STORAGE AREA
EMPIRE: PERFORM DENSITY & MOISTURE CONTENT TESTS
DOUG MEYERS: STAKE SLA EXCAVATION SAMPLING LOCATIONS
HITTMAN-EBASCO: SET-UP PORTABLE LAB

SAFETY FOLLOW INSTRUCTIONS OF H&S OFFICER

SCHEDULED NONE

UN-SCHEDULED MEETING WITH ACOE
DISCUSSED POST-EXCAVATION SAMPLING PROCEDURE AND SPLITTING SAMPLES WITH ACOE FOR THEIR ANALYSIS

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION PLACED A SECOND LAYER OF GEOTEXTILE FABRIC OVER TAR PATCH COVERED WITH AN ADDITIONAL 1 FT. OF CRUSHED STONE TO BE ABLE TO MOVE HEAVY EQUIPMENT OVER IT.

SLA EXCAVATION: SEE OHM REPORT

WASTEPILE CONSTRUCTION: SEE OHM REPORT

OTHER: SEE CANONIE REPORT

ECI 11/1/90

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	Ø	TESTFILL CONST.	CY	Ø
			AGGREGETES	TON	Ø
			SETTLEMENT PLATES	EA	Ø
			OBSERVATION WELLS	EA	Ø
			GEOTEXTILE FAB	SY	Ø
SLA EXCAVATION			BEDDING MATERIAL ~~TON~~	CY	144
GEOWASTE MATERIAL	CY	Ø	GEOTEXTILE FAB	SY	Ø
CANTAMINATED WASTE	CY	1908	CAYMAX	SY	Ø
CLEAN	CY	Ø	GEOMEMBRANE	SY	Ø
MISC.	CY	Ø	MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	Ø	GEOTEXTILE FAB	SY	Ø
OBSERVATION WELLS	EA	Ø	BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	Ø
CLAYMAX	CY	Ø	EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

/

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON		NONE	
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO	NONE	
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECE 11/1/90

REPORT NUMBERS

SEE OHM REPORT #2 Attached report required by Contract document

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:

IN PLACE DENSITY OF WASTEPILE DOES NOT MEET SPEC REQUIREMENTS.

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2					

Accident/Breeches Report:_____

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-1-90 DAY: Thu HRS.WRK. 10 REPORT NO. 22

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S._____

F.E/I_____ P.M. 1

H&SO_____ HOP_____

C/SE_____ "_____

P.M._____ "_____

HOP_____

"_____

"_____

ARCO P.M._____

OTHERS _____ SUB._____

"_____ SUPV._____ EMPS_____

USCOE/EPA_____ SUB._____

"_____ SUPV._____ EMPS_____

VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 2

Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer D6	9	1		
Dozer D3	9	1		
Back Hoe	9	1		
Back Hoe	0	9		
Compactor				
Compactor				
Dump Trk.	9	1		
Dump Trk.	9	1		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Hauling S.L.A. material to Waste & Stock pile

SAFETY 0700 - 0715

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION ~~1908 C.Y.~~ 144 ~~3~~ C.Y. Stone

SLA EXCAVATION: 1908 CY

WASTEPILE CONSTRUCTION: 1908 CY

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE		TESTFILL CONST.	CY	
			AGGREGETES	TON	
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATERIAL	TON	CY ~~2274~~ 144
GEOWASTE MATERIAL	CY		GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY		CAYMAX	SY	
CLEAN	CY		GEOMEMBRANE	SY	
SLA	CY	1908	MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

None

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON		None	
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO	None	
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____ Attached report required by Contract document
_____ " " " " " "
_____ " " " " " "
_____ " " " " " "
_____ " " " " " "

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	_____	_____
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____
Equipment: In:_____ Out:_____
Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

RECEIVED
NOV 0 6 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 11/1/90 DAY: THURS. HRS.WRK. 10 REPORT NO. 117

WEATHER INFORMATION:

TEMPERATURE: High _____ Low _____ WIND: Mph. _____ Dir. _____

PRECIPITATION: _____ HUMIDITY: _____ RIVER EL: AM 8:40 5.11 PM _____

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. _____

	F.E/I 1	R.E. 1	
	H&SO _____	P.E. 1	
	C/SE _____	QCM 1	
	P.M. _____	H&SO 1	
	HOP _____	P.M. _____	
	" _____	P.SEC 1	
	" _____	HOP _____	
ARCO	P.M. _____	" _____	
OTHERS	_____	CANONIE SUB. APP SURVEYING	
"		SUPV. _____ EMPS. 2	
USCOE/EPA	_____	SUB. _____	
"	_____	SUPV. _____ EMPS. _____	

VISITORS _____

MANUAL CANONIE GEN. Labor _____ Equip. Oper. _____

Truck Drivers _____ Others _____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	10			
" 963	10			
" D-6	10			
" D-5		REMOVED FROM SITE		
" 12G	5			
(Sheep) Compactor		STAND-BY		
(Smooth) "	5			
Canonie Wtr. Trk		OFF-SITE FOR REPAIRS		
Hertz Wtr. Trk	2			
(E. Bank) Cat 235	10			
Komatsu PC 200	8			
Generator / Steam Genny		STAND-BY		
1/2 ton pickup	10			
Mechanic Trucks	11			
(2) INTERNATIONAL 433	10			

MEETINGS: W. Bank

PLAN OF DAY Continue Placing Riprap ; Continue w/ Dressing Slopes In Preparation For Seed & Mulch E. Bank Continue w/ Cut Operations At The South End

SAFETY Good Construction Practices

SCHEDULED Weekly Meeting

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK #604 - Construct West Bank Dike
#605 - Place West Bank Riprap Protection

EAST BANK #701 - Remove East Bank Cut Area
#703 - Construct East Bank Toe Trench

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	151 - W. Bank 468 - E. Bank
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	201.42 - W. Bank 427.63 - E. Bank
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Set Top Of Riprap Grades For East Bank Toe Trench ; Took As-Built Shots On West Bank Dike From Sta. 0+00 To 5+50

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
W. Bank [1	13+75 To 12+75	A-8	Riprap			
E. Bank [2	1+50 To 10+00	A-8	Riprap			
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES:

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

NO INCIDENTS OR ACCIDENTS REPORTED November 1, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: FRANK J. GONTOWSKI | CLIENT: | DATE: 11/1/90

CLIENT: SINCLAIR REFINERY SITE | PE/PS:

JOB NO: 88-093 | LOCATION OF WORK: WELLSVILLE, NY

ACTIVITY: WEST BANK

ACTIVITY # 1004 - CONSTRUCT WEST BANK DIKE

- HAND RAKED TOPSOIL FROM STA. 0+00 TO 5+00 TO REMOVE SOIL CLODS & ROCKS
- SLOPES IN THIS AREA ARE READY FOR SEEDING

ACTIVITY # 1005 - PLACE WEST BANK RIPRAP PROTECTION

- PLACED RIPRAP ON UPPER PORTION OF SLOPES FROM STA. 12+75 TO 13+75
- GEOTEXTILE & BEDDING WERE PLACED PREVIOUSLY

EAST BANK

ACTIVITY #: 701 - REMOVE EAST BANK CUT AREA

- PAY SCRAPERS CONTINUED REMOVAL OF CUT AREA MATERIAL
- APPROXIMATELY 1480 CY OF MATERIAL CUT & BROUGHT TO NORTH END FOR PLACEMENT IN OLD RIVER CHANNEL

ACTIVITY # 703 - CONSTRUCT EAST BANK TOE TRENCH

- PLACED RIPRAP TO GRADE IN TOE TRENCH FROM STA. 1+50 TO 10+00

F-941

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

IP RAP

FORM A-8
SHEET ____ OF ____
INSPECTION DATE 11/1/90

	ACCEPT	REJECT	N/A
MATERIAL			
- RIPRAP OBTAINED FROM QUARRY ACCEPTED BY CONSTRUCTION MANAGER	X		
- FREE FROM DIRT, SAND, CLAY AND ROCK FINES	X		
- MATERIALS COMPLY WITH GRADATION REQUIREMENTS	X		
2 PLACEMENT			
- FINAL IN-PLACE LOCATION AND THICKNESS OF RIPRAP AS SHOWN ON DRAWINGS WITH A TOLERANCE OF +3, -0 INCHES	X		
- MATERIAL DEPOSITED FROM HEIGHT OF LESS THAN 2 FEET	X		

3 DUST CONTROL

ACTION TAKEN: None Required

4 RIPRAP LOCATION

DIKE STATION 1+50 12+75 E. Bank TO 10+00 13+75 W. Bank

REMARKS _____

INSPECTOR Pete Porter / Alan Muehlbeier DATE _____

REVIEWED BY _____ DATE 11.6

[illegible] scrapers moving fill to N End of East bank, R.I.S wrap working on East Bank.

PM activities: Same as AM + raking of N.W corner (west bank) for seeding

Time: 1005, temp ≈ 60°F, Sunny, WNW wind
Time: 1330, Temp ≈ 65°F, Sunny, W wind

AIR MONITORING DATA SHEET
ARCO - WELLSVILLE

Date/Time	Location	Instrument	Model No.	Calibration/ Background	Results	Interpretation/ Time (Min.)
1/1/90-10:10	Support Zone yard	HNU	PI101	Cal = 111ppm Isobutylene Bg = 0.5 ppm	0.5ppm	Real Time
1/1/90-1012	clean Rd East of Trailers	HNU	PI101	same	1ppm	R.T.
1/1/90-1015	7+00	HNU	PI101	same	0.5ppm	RT
1/1/90-1025	21+00 area	HNU	PI101	same	0.5ppm	RT
1/1/90-1331	yard	HNU	PI101	same	0.5ppm	RT
1/1/90-1332	clean Rd East of trailers	HNU	PI101	same	0.5ppm	RT
1/1/90-1340	7+00	HNU	PI101	same	0.5ppm	RT
1/1/90-1400	NW dike (22+00) South end	HNU	PI101	same	1.5ppm	RT

AIR MONITORING REPORT
ARCO - WELLSVILLE

Date: 11-1-90

Equipment: HNu

Real-Time Air Monitoring Results and Work Area

No levels above background in Canonic work areas on Jac. HNu.
0-1.5 ppm levels downwind of SLA activities. (40-50 ft)

Personnel Sampling None

Name	Date	TWA

Calibration Method for Equipment

HNu = 111 ppm Isobutylene

TH & SAFETY 11-1-90

TIVITY PROTECTION LEVELS:

Level	Number of employees	Total manhours exposed
CLEAN:		
"D" mod		
"D"	9,1,1	90,53
"C"		
"B"		
OTHER		

IR MONITORING:

ample	Time	Location	Instrument	Sample type	Results
1	1010	Support zone yard	HNu	Real Time	0.5 ppm
2	1012	Clean Rd East of trailers	HNu	RT	1.0 ppm
3	1015	7+00 area	HNu	RT	0-5 ppm
4	1025	21+00 area	HNu	RT	0-5 ppm
5	1331	Support zone yard	HNu	RT	0.5 ppm
6	1332	Clean Rd East of trailers	HNu	RT	0.5 ppm
7	1340	7+00 area	HNu	RT	0-5 ppm
8	14+00	22+00 area	HNu	RT	1.5 ppm
9					
10					

DAILY SAFETY INSPECTIONS:

Inpections	Time	Location	No. emps./equip.	PPE level	Violation
1	0840	East bank	4/2 trackhoes, 2 dozers, dozer, compactor	C	None
2	1030	west bank dike	3/loader, trackhoe	C	None
3					
4					
5					

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In: ✓ Emps. Out: ✓

Equipment: In: ✓ Out: ✓

Venders Equipment: In: ✓ Out: ✓

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/Damage	Response
1	None				
2					

Accident/Breeches Report: None

DAILY SAFETY LOG
ARCO - WELLSVILLE

Date: 11-1-90

Work Areas Checked: East bank
west bank
Support Zone yard

Employees Present in Work Areas: B. Reid, B. Moickell, D. Hunt, V. Smith, N. Tracy, B. Mckim, C. Mckim, R. Edwards, P. Porter, A. Mulerlile, R. Ettinger

Equipment Being Utilized: 3 trackhoes, loader, Dozer, Compactor, Roller, Grader, 2 Scrapers

PPE Being Utilized: Level-D

Accidents/Breeches of Procedures:

Hydrogen tank by trailers lacks a "no smoking" sign posted near it.

Hydrogen tanks are still improperly stored next to other cylinders by a supply trailer in the yard (also lacking "no smoking" sign)

WEEKLY SAFETY REPORT
ARCO - WELLSVILLE

Week Ending:

Non-Use or Mis-Use of PPE

None

Non-Use or Mis-Use of Buddy System

None

Site Procedure Violations

None

Job-Related Illness or Injuries

None

Weather Data

10/24/90 -	pt cloudy	30-50°F	varying winds
10/30/90 -	pt sunny	40-55°F	varying winds
10/31/90 -	pt sunny	40-57°F	varying winds
11/1/90 -	sunny	40-65°F	WNW winds
11/2/90 -	pt sunny	40-65°F	WNW winds

Air Monitoring Summary

levels from 0 - 1.5 ppm above background on the HNU downwind of OHM SLA operations - no levels above background in Ceramic work areas (on west bank)

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 1, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	~~7:30~~ /	/	
C-2 L. Dekker	6:54 / 11:30	/	
C-3 P. Porter	6:43 / 7:18	7:37 / 9:20	9:42 / 11:55 12:33 / 3:52 5:04
C-4 A. Muellerleile	6:57 / 7:22	7:47 / 8:15	9:29 / 11:55 12:33 / 4:03 5:43 / 6:07
C-5 C. Ettinger	6:57 / 9:08	9:55 / 11:48	12:00 / 3:46
C-6 F. Gontowski	6:55 / 10:50	10:14 / 10:15	10:25 / 11:59 12:33 / 6:18
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:50 / 7:28	9:12 / 3:30	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:37 / 7:00	5:33 / 5:36	
C-12 C. Mckim	6:39 / 6:59	/	
C-13 G. Reid	6:34 / 5:27	/	
C-14 N. Tracy	6:44 / 6:59	/	
C-15 G. Maichele	6:30 / 6:31	6:48 / 11:58	1:01 / 5:09 5:47 / 5:49
C-16 S. Hunt	6:25 / 6:31	6:48 / 7:31	7:52 / 7:55 8:40 / 9:51 10:35 / 11:50
C-17 P. Smith	6:41 / 6:59	/	
C-18 R. Edwards	6:48 / 7:12	7:23 / 11:58	1:12 / 5:31
C-19 R. Bartels	6:50 / 7:28	9:12 / 11:48	12:05 / 3:30
C-20	/	/	
E-1 G. Stiles	6:18 / 11:00	12:09 / 6:17	
E-2 ~~T. Granger~~ E. Casey	6:58 / 12:28	1:28 / 5:31	
E-3 S. Stiles	12:09 / 6:17	/	
E-4 C. Swann	6:41 / 11:39	1:10 / 4:17	5:02 /
E-5 T. Yashinski	6:40 / 8:21	8:32 / 12:21	1:09 /
E-6 R. Colleton	8:55 / 9:00	10:05 / 10:10	10:28 / 1:53 2:39 / 6:14
~~E-8~~ A-1 D. Simpadian	6:43 / 12:21	1:09 / 5:04	5:23 /
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:55 / 12:33	12:36 / 12:37	
C/E-~~2~~ M. Hrybnak	8:50 / 2:06	/	
C/E-3 J. Salvatore	8:50 / 2:06	/	
C/E-4	/	/	
S-1 Jon Palmer	8:19 / 8:24	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:00	/	
S-4 T. Cobb	1:42 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 1, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	/	/	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	/	/	
C-16 S. Hunt	12:06 / 1:14	1:26 / 2:43 3:50 / 3:54 5:40 / 5:47	
C-17 P. Smith	/	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 1, 1990

No./Name		Time In/Out	Time In/Out	Remarks
A-2	D. Rall	6:29/7:45	7:59/12:10 12:48/5:26	OHM
A-3	M. Miller	6:29/12:10	12:48/5:26	
A-4	J. Facio	6:53/12:07	12:53/5:06	
A-5	R. Moyer	6:53/12:07	12:53/5:06	
C/E-7	J. Lovewell	6:53/12:07	12:53/5:06	
C/E-8	A. Gonzales	6:53/12:07	12:53/5:06	
C/E-3	D. Tingue	6:56/11:54	12:33/4:42	Meyers
C/E-4	R. Crooks	6:56/11:54	12:33/4:42	Landscaping
S-6	J. Ball			J. Ball Land Survey
S-8	R. Roeske			"
S-9	R. Yehl			"
Mike Ludden	C-20	7:47/12:03	1:16/1:20 5:35/5:36	Bakers
Jim Rafter		8:00/8:03	11:48/11:50 3:31/3:36	Spin Rite
Boyd Green, Jr.		8:10/8:16	9:16/9:24 10:28/10:40 12:14/12:18 1:37/1:43 3:29/3:40	
Dick Neely	E-10	9:17/10:59		W VFD
Bob Voigt	C-20	10:30/10:41		Rupp mechanic
Don Wantinger	S-2	10:30/1:26		Empire Soils
Rick Scutt		10:35/11:07		Shirts Oil Co
John Perkins		12:03/12:03		Bakers
Fed Ex		1:30/1:37		
Bob Chaffee	S-9	1:30/2:20		WOPW
DHL Delivery		2:57/2:58		1pc. delivery
Charlie Baker		3:20/4:13	5:05/5:34	to see Pete or Frank
UPS		3:25/3:27		1pc. pickup
Robt Hall	19	3:48/3:57		Spin Rite
Fred Ocmund	62	3:58/3:58		"
Rick Swann	11	4:09/4:16		"
Ray Chartand	63	4:20/4:26		"
Ron Swalsen	65	4:24/4:29		
Roger Sick	61	4:24/4:37		
P. Porter				
C. Swann				
T. Yashinski				Still working
D. Simpadian				

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 28, 1990

Arrived at 6:50 a.m.

Plan of Day:

Canonie

* Grade east side common fill area.
* Grade top of west dike.

OHM

* Receive and place rip rap.

Field Observations and Activities:

Canonie

* Continued grading east side common fill area with dozer - area very muddy. Very difficult to grade/seed and mulch effectively under these conditions. Necessity for contractor to return to complete work next summer very likely. D. Dekker says he will send letter proposing this.
* Performed final grading of east dike with motor grader. Hand work with rake to flatten windrow at riprap contact will be required.
* Made inspection trip with Canonie supervision to review progress on punch list items.

OHM

* Received riprap from quarry and dumped same on dike.
* Placed riprap in toe trench and on slope using both backhoes. Loader loading heavy hauler from stockpile. Hauler dumping directly into backhoe bucket to minimize soil contamination. Riprap will require reworking to fill holes and bring to grade.

Meyer

* Shot settlement plates and C.O.E. dike north of Dixie Sta. 0+00.

Left site at 7:00 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 27, 1990

Arrived at 6:50 a.m.
Plan of Day:

Canonie

* Grade common fill area - east side.
* Grade top of west dike.
* Address punch list items.

OHM

* Trim dike slope lay filter fabric. Place bedding stone and rip rap.

Field Observations and Activities:

Canonie

* Graded common fill area (east side) after rains quit. Surface very wet.
* Laborer hand seeded disturbed areas outside toe trench on west side. Applied grafting compound to scarred trees east and west sides. Pulled stakes and flagging.
* Grader operator no show so west dike road not fine graded as planned.

OHM

* Trimmed slope. Layed filter fabric, and placed bedding stone and riprap on dike extension.
* Received bedding stone from Alfred Atlas.

Meyer

* Set fill stakes to assist bedding stone placement.

Left site at 7:00 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 26, 1990

Arrived at: 2:30 p.m. (Returned from R.&R) three hr. delay in Ewr Airport.
Plan of Day:

Field Observations and Activities:

Canonie

* Graded common fill area behind east dike.
* Received and spread road aggregate on west dike.
* Addressed punch list items.

OHM

* Fine graded (trimmed) dike extension slope. Layed filter fabric and placed bedding stone with two backhoes. Extended arm hoe working from top of slope. Second backhoe working from bottom covering area not reachable from top of dike.
* Received and stockpiled riprap.

Meyer

* Shot settlement plates and assisted OHM in bedding stone placement.

Left site approximately 7:00 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 25, 1990

Arrived at 6:00 a.m. 39 degrees clear with 10 to 15 mph winds.

Plan of Day:

Canonie
* Not on site

OHM
* Excavate toe trench.
* Place Geo-Tech fabric.
* Place bedding stone.
* Lay PVC cover material.

Liner Tech
* Weld PVC cover material
* Fit and weld boots.

The security people had to be called this morning, because they did not know we are working. John Palmer came in at 7:00 a.m.
OHM completed placing the PVC cover material over the waste pile and test fill section #1.
The Toe Trench is not excavated correctly, so they will correct it with the riprap.
They had questions about the tie-in at Sta. 22+31.59 the old existing rip rap extends to about 23+00. They are to transistion into the toe and slope the riprap by removing as little of the existing riprap as possible. They plan to start placing geo textile fabric and bedding stone tomorrow.

Diran and I inspected the stitching on the PVC - it will have to be done again.

RECEIVED
NOV 2 6 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11/25/90 DAY: SUN HRS.WRK. 10 REPORT NO. 44

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I Ø SUPT._____

H&SO Ø ENG._____

C/SE Ø LABOR_____

P.M. Ø OPER._____

HOP 1 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. Ø ENG._____

OTHERS _____ LABOR_____

" _____ OPER._____

USCOE/EPA Ø OTHER_____

" _____

VISITORS LINER TECHNOLOGIES - 2

SURVEYOR_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer		SEE		
Dozer				
Back Hoe		OHM		
Back Hoe				
Compactor		REPORT		
Compactor				
Dump Trk.				
Dump Trk.				
Others				
"				
"				
"				
"				

ECI - 11/25/90

MEETINGS:

PLAN OF DAY OHM: PLACE GEOMEMBRANE ON WASTE PILE AND TESTFILL SECT. 1; EXCAVATE TOE TRENCH
LINER TECHNOLOGIES: SEAM GEOMEMBRANE ON WASTEPILE AND INSTALL BOOTS OVER RISER PIPES ON TEST FILL

SAFETY FOLLOW SAFE WORK PRACTICE

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION INSTALL GEOMEMBRANE LINER ON SECT. 1 AND BOOTS OVER RISER PIPES IN SECT. 1 & 4

SLA EXCAVATION: /

WASTEPILE CONSTRUCTION: SEE OHM

INSTALL GEOMEMBRANE

OTHER: SEE OHM REPORT FOR DIKE EXT.

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	Ø
SLA EXCAVATION		
GEOWASTE MATERIAL	CY	Ø
CANTAMINATED WASTE	CY	
CLEAN	CY	
MISC.	CY	
MISC.	___	Ø

TYPE	UNIT	EST.QTY.
TESTFILL CONST.	CY	Ø
AGGREGETES	TON	
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	TON	
GEOTEXTILE FAB	SY	
CAYMAX	SY	Ø
GEOMEMBRANE	SY	
MISC.	___	
"	___	
"	___	
"	___	
"	___	

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
AGGREGATES	CY	
CLAYMAX	CY	
MISC.		
MISC.		

TYPE	UNIT	EST.QTY.
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	CY	
GEOMAMBRANE	SY	
EQUIP. FUEL&LUBE	GAL	
MISC.		
MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.	___			

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES___NO___		
	YES___NO___		
	YES___NO___		
	YES___NO___		
	YES___NO___		
	YES___NO___		

SAMPLING & ANALYSIS ACTIVITIES:

ECI- 11/25/90

REPORT NUMBERS
SEE OHM — Attached report required by Contract document
REPORT — " " " " " "
" " " " " "
" " " " " "

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:
PVC LINER SEAMS COULD NOT BE MADE WITH SOLVENT WELDING DUE TO WET UNDERLYING MATERIAL AND MUDDY LINER. THE LINER WAS SEAMED USING A STITCH SEAM

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In:_____ Emps. Out:_____
Equipment: In:_____ Out:_____
Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:
No. Time Location Emp.No./Equip.No. Injury/damage Response
1 _____
2 _____
Accident/Breeches Report:_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 24, 1990

Saturday - 30 degrees this morning with snow flurries
Arrived at 6:10 am

Plan of Day:

Canonie

* Not on site

OHM

* Excavate Toe Trench
* Start placement of geo. tech. fabric, bedding and riprap.
* Lay PVC cover material at waste pile and test fill.

OHM had four men from Baker come to help lay the PVC cover material. All of their papers were in order.

The PVC is a problem:

* 40 mil material and weighs 1.26lb. per s.v. The panels were 75'x150' or 1250 s.v. and weighs 1,650 lbs. The weight and the slick, muddy ground make it very hard to place this material.
* It has to be pulled and unfolded the long way with a dozer. The material we are covering will not support a dozer, so we had to pull the material out and then unfold the short way by hand. The men kept falling down in the mud as we tried to drag the material across the pile. The wet condition of the waste pile made the PVC stick to it and added to the problem.
* The wet muddy condition, plus the mil thickness made it impossible to hot weld. So, Liner Tech brought a stitching machine. They used this and it works better.

RECEIVED

NOV 2 6 1990

EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11/24/90 DAY: SAT HRS.WRK. 10 REPORT NO. 43

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I Ø SUPT._____

H&SO Ø ENG._____

C/SE Ø LABOR_____

P.M. Ø OPER._____

HOP 1 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. Ø ENG._____

OTHERS Ø LABOR_____

" _____ OPER._____

USCOE/EPA 1 OTHER_____

"

VISITORS LINER TECHNOLOGIES - 2

SURVEYOR —

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe		SEE		
Compactor				
Compactor		OHM		
Dump Trk.				
Dump Trk.		REPORT		
Others				
"				
"				
"				
"				

FCI - 11/24/90

MEETINGS:

PLAN OF DAY OHM: RACE AVC LINER ON WESTPILE
RACE CLAY ON DIKE EXTENSION

SAFETY OBSERVE SAFE WORK PRACTICES

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION:

WASTEPILE CONSTRUCTION:

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE		TESTFILL CONST.	CY	
			AGGREGETES	TON	
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
SLA EXCAVATION			BEDDING MATERIAL	TON	
GEOWASTE MATERIAL	CY		GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY		CAYMAX	SY	
CLEAN	CY		GEOMEMBRANE	SY	
MISC.	CY		MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI- 11/24/90

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	_____	_____
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

_____

_____

_____

_____

_____

RECEIVED

NOV 27 1990

SINCLAIR REFINERY SITE

DIKE EXTENTION EBASCO / ARCO

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-24-90 DAY: SAT HRS.WRK. 10½ REPORT NO. 43

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph. Ø Dir._____

PRECIPITATION: Snow Flueries HUMIDITY: 100%

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. HOFF

F.E/I_____ P.M._____

H&SO_____ HOP DUROVICH

C/SE_____ "_____

P.M._____ "_____

HOP_____

"_____

"_____

ARCO P.M._____

OTHERS_____ SUB. BAKER

"_____ SUPV._____ EMPS 4

USCOE/EPA_____ SUB. Empire Eng

"_____ SUPV. 1 EMPS 1

VISITORS_____

MANUAL OHM Gen. Labor 2 Equip. oper. 3

Truck drivers_____ Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
PC400	10	½		
215	4	6½		
D58P	6	4½		
D37P	3	7½		
Dump Trk.				
Others				
SE Compt.	Ø	10½		
SB Compt.	1.5	9.0		
Decon	Ø	10½		
chipper	Ø	Ø	10½	

MEETINGS:

PLAN OF DAY Cont. Survey/Layout Dike Toe/Tip/Trench
Cont Excav Slopes & Toe Trench
Assist w/ installation of CELA Liner
Combat mud condts, as needed

SAFETY Slips, Trips, Falls
Cold weather ops
CELA Liner ops
Sub Contr ops

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

DIKE CONSTRUCTION
Cont Survey/Layout of Slopes
Cont Excav of Slopes

TOE TRENCH
Cont. Layout of Toe Trench
Cont Excav of Toe Trench

Rip Rap

OTHER: Begin to precut GeoTec for Toe Trench

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	_____
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	_____	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAY	CY	_____	EQUIP. FUEL&LUBE	GAL	_____
MISC.	___	_____	MISC.	___	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED		DECON CERTS.	APPROVED BY
_____	YES_____	NO_____	_____	_____
_____	YES_____	NO_____	_____	_____
_____	YES_____	NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:
REPORT NUMBERS

_____ Attached report required by Contract document
_____ " " " " " "
_____ " " " " " "
_____ " " " " " "
_____ " " " " " "

COMMENTS _____

TECHNICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod	6	
"D"	5	
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In: 6 Emps. Out: 6
Equipment: In:_____ Out:_____
Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:
No. Time Location Emp.No./Equip.No. Injury/damage Response
1 _____
2 _____
Accident/Breeches Report:_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 23, 1990

Arrived at 6:15 a.m.
Plan of Day:
Canonie
* Not working today.
OHM
* Excavate Key Trench.
* Work dike slopes.
* Place HDPE liner material.
Liner Tech
* Weld HDPE seams and boots.

The dike clay was wet on the surface, but 3/4 inch down it was ok. Used the small dozer to windrow the wet material along the west side.

The Surveyors are in this morning. Nick has them checking their layout.

The liner people came in at 8:00 a.m. I told Tod what was scheduled. He will set up and start welding at the Test Fill Nick asked if this liner work was out of scope. I told him it was part of the Construct Test Fill scope.
John Boes called. He did not know if they could do the liner work.

Completed laying HDPE at 3:30 p.m. The techs completed the seam welding at 4:15 p.m. He is going to fit and weld boot in the morning. He thinks it will take about three hours.

John H., OHM, is getting people from Baker to help lay out the PVC.

RECEIVED
NOV 2 6 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11/23/90 DAY: FRI HRS.WRK. 10 REPORT NO. 42
WEATHER INFORMATION:
TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____
PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____
F.E/I Ø SUPT._____
H&SO Ø ENG._____
C/SE Ø LABOR_____
P.M. Ø OPER._____
HOP 1 OTHER_____
" _____ SUB._____
" _____ SUPT._____
ARCO P.M._____ ENG._____
OTHERS _____ LABOR_____
" _____ OPER._____
USCOE/EPA 2 OTHER_____
"

VISITORS LINER TECHNOLOGIES - 2

SURVEYOR DOUG MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe		SEE		
Back Hoe				
Compactor				
Compactor		OHM		
Dump Trk.				
Dump Trk.				
Others		REPORT		
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY OHM: PLACE GEOMEMBRANE ON TEST FILL
PLACE CLAY ON DIKE EXTENSION
D. MYERS: STAKE DIKE EXTENSION CROSS SECTIONS
LINER TECHNOLOGIES: WELD GEOMEMBRANE SEAMS

SAFETY FOLLOW SAFE CONSTRUCTION PRACTICE

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION PLACE 40 MIL HDPE GEOMEMBRANE ON SECTION 4

SLA EXCAVATION: /

WASTEPILE CONSTRUCTION: /

OTHER: SEE OHM REPORT FOR WEST BANK DIKE EXTENSION

ECI - 11/23/90

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	ϕ	TESTFILL CONST.	CY	ϕ
			AGGREGETES	TON	ϕ
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
SLA EXCAVATION			BEDDING MATERIAL	TON	
GEOWASTE MATERIAL	CY	ϕ	GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY		CAYMAX	SY	ϕ
CLEAN	CY		GEOMEMBRANE	SY	1750 (6750 SF)
MISC.	CY		MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI- 11/23/90

REPORT NUMBERS
SEE OHM Attached report required by Contract document
" " " " " "
" " " " " "
" " " " " "
" " " " " "

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In:_____ Emps. Out:_____
Equipment: In:_____ Out:_____
Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:
No. Time Location Emp.No./Equip.No. Injury/damage Response
1 _____
2 _____
Accident/Breeches Report:_____

RECEIVED

NOV 2 7 1990

SINCLAIR REFINERY SITE

DIKE EXTENTION — EBASCO / ARCO

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-23-90 DAY: Fri HRS.WRK. 1700 REPORT NO. 42

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. Hoff

F.E/I_____ P.M._____

H&SO_____ HOP Dupovich

C/SE_____ "_____

P.M._____ "_____

HOP_____

"_____

"_____

ARCO P.M._____

OTHERS_____ SUB. D. Myers Survey

"_____ SUPV. 1 EMPS 1

USCOE/EPA_____ SUB. Empire

"_____ SUPV. 1 EMPS 1

VISITORS_____

MANUAL OHM Gen. Labor 2 Equip. oper. 3

Truck drivers_____ Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
PC400	8.5	2		
215	Ø	10.5		
D6BP	2	8.5		
D37P	2	8.5		
Dump Trk.	7.5	3		
Others				
SF" Compt.	1	9.5		
Sm" Compt.	2.5	8.0		
D"econ	Ø	10.5		
chipper	Ø	Ø	10.5	

PAGE: 1 OF____

MEETINGS:

PLAN OF DAY SURVEY / LAYOUT Dike Slopes & TOE TRENCH
CUT Slopes, TOE TRENCH TO GRADE
Combat MUD CONDTS. AS NEEDED
ASSIST W/ Installation of 40 mil Liner, AS needed

SAFETY Slips, Trips, FALLS / MUD & HVY EQPT ops
Chain Saw / chipper ops
SLA ops / Liner installation / ETC

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

DIKE CONSTRUCTION
SURVEY / LAYOUT EXACT TOE / Tip Locations
SURVEY / LAYOUT EXACT TOE TRENCH Location / GRADE
CONT EXCAV OF WATER SIDE SLOPE

TOE TRENCH: CONT EXCAV TOE TRENCH TO GRADE
CLEAR TRESS, AS needed / WATER SIDE

Rip Rap

OTHER: ASSIST Installation OF 40 mil Liner on TEST Fill

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	_____
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	_____	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAY	CY	_____	EQUIP. FUEL&LUBE	GAL	_____
MISC.	___	_____	MISC.	___	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____
_____	YES_____NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:
REPORT NUMBERS

_____ Attached report required by Contract document
_____ " " " " " "
_____ " " " " " "
_____ " " " " " "
_____ " " " " " "

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:
MUD & EFFECT ON DIKE OPS
ASSISTANCE REQUIRED BY GEO TEC SUB CONTR. IS IN EXCESS OF THAT AVAILABLE ON SITE.
MUCH DISCUSSION ON WHO IS RESPONSABLE FOR WHAT W/ GEO Installation

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod	8	≠48
"D"	2	≠22
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In: 8 Emps. Out: 8
Equipment: In: _____ Out: _____
Venders Equipment: In: _____ Out: _____

ACCUDEBTS/BREECHES OF PROCEDURES:
No. Time Location Emp.No./Equip.No. Injury/damage Response
1 _____
2 _____
Accident/Breeches Report: _____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 22, 1990
Thanksgiving

Arrived at 6:10 a.m.
Plan of Day:
Canonie
* Not working today.
OHM
* Place compacted dike fill.
* Excavate Toe Trench

We helped OHM people reset slope stakes for them to work to. They were unable to get the surveyors today.
They have the trucks and equipment working together, but need to start working the slopes and Toe Trench. I talked with Nick about this. I told him it was overbuilt and was getting out of reach of the Toe Trench. Also, rain is forecast for this p.m. If we do get rain the loose material that is on the slopes will become saturated and can not be used as back fill.

They stopped the clay haul at 1:00 p.m.

Started pulling the west side slopes with the backhoes while Nick layed out the east side.

It started raining at 4:10 p.m. (very light) They had the west slope pulled and about 1/2 of the east slope. They were able to finish it before the material got too wet.

Empire ran compaction test at noon - everything was good.

I told Nick and John the Liner Tech people were scheduled for Friday morning and would start with the HDPE.

EBASCO / ARCO

NOV 2 6 1990

RECEIVED

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11/22/90 DAY: THURS HRS.WRK. 10 REPORT NO. 41

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I 0 SUPT._____

H&SO_____ ENG._____

C/SE_____ LABOR_____

P.M._____ OPER._____

HOP_____ OTHER_____

"_____ SUB._____

"_____ SUPT._____

ARCO P.M._____ ENG._____

OTHERS_____ LABOR_____

"_____ OPER._____

USCOE/EPA_____ OTHER_____

"_____

VISITORS EMPIRE - 1

SURVEYOR_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer		SEE		
Dozer				
Back Hoe				
Back Hoe		OHM		
Compactor				
Compactor				
Dump Trk.		REPORT		
Dump Trk.				
Others				
"				
"				
"				
"				

ECI - 11/22/90

MEETINGS:

PLAN OF DAY OHM: CONTINUE PLACING CUT IN 1 FOOT LIFTS FOR WEST BANK DIKE EXT. EMPIRE: PERFORM IN PLACE DENSITY & MOISTURE CONTENT TESTS

SAFETY FOLLOW SAFE CONSTRUCTION PRACTICE

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION:

WASTEPILE CONSTRUCTION:

OTHER: SEE OHM FOR WEST BANK DIKE EXT.

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	ϕ
SLA EXCAVATION		
GEOWASTE MATERIAL	CY	ϕ
CANTAMINATED WASTE	CY	
CLEAN	CY	
MISC.	CY	
MISC.		ϕ

TYPE	UNIT	EST.QTY.
TESTFILL CONST.	CY	ϕ
AGGREGETES	TON	ϕ
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	TON	
GEOTEXTILE FAB	SY	
CAYMAX	SY	
GEOMEMBRANE	SY	
MISC. CLAY FOR DIKE EXT.		870
"		
"		
"		
"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
AGGREGATES	CY	
CLAYMAX	CY	
MISC. CLAY	CY	870
MISC.		

TYPE	UNIT	EST.QTY.
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	CY	
GEOMAMBRANE	SY	
EQUIP. FUEL&LUBE	GAL	
MISC.		
MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.
MATERIAL USED FOR DIKE EXTENSION OBTAINED FROM SAME SOURCE & MANUFACTURE AS FOR PARTIAL RIVER CHANNELIZATION.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI- 11/22/90

REPORT NUMBERS

SEE OHM ____ Attached report required by Contract document

____ " " " " " "

____ " " " " " "

____ " " " " " "

____ " " " " " "

COMMENTS MATERIAL USED FOR DIKE EXTENSION OBTAINED FROM SOME SOURCE/MANUFACTURER AS USED FOR PARTIAL RIVER CHANNELIZATION. THEREFORE, NEW CERTIFICATES WERE NOT ISSUED

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2					

Accident/Breeches Report:_____

RECEIVED

NOV 2 7 1990

SINCLAIR REFINERY SITE

DIKE EXTENTION EBASCO / ARCO

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-22-90 DAY: THURS HRS.WRK. 11.5 REPORT NO 41

WEATHER INFORMATION:

TEMPATURE: High____ Low 30 WIND: Mph. Ø Dir.____

PRECIPITATION:____ HUMIDITY:____

PERSONNEL: NON-MANUAL EBASCO. C.M.____ OHM. P.S. Hoff

F.E/I____ P.M.____

H&SO____ HOP DUROVICH

C/SE____ "____

P.M.____ "____

HOP____

"____

"____

ARCO P.M.____

OTHERS____ SUB. Empire

"____ SUPV.____ EMPS 1

USCOE/EPA____ SUB. Baker Exray

"____ SUPV. 1 EMPS 5

VISITORS____

MANUAL OHM Gen. Labor 2 Equip. oper. 3

Truck drivers____ Others____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
PC400	11.5	Ø		
D5BP	7	4.5		
D37P	4	7.5		
215	8	3.5		
Dump Trk.	5	6.5		
Others				
SF"Compt.	Ø	5.5		
SD"Compt.	2	9.5		
Deton	Ø	11.5		
Chipper	3		8.5	AIT. Failure

PAGE: 1 OF____

MEETINGS:

PLAN OF DAY Cont Import/Place/Compact Clay fill till 1200 HRS
Begin Cut Slope on Land side of Dike
Layout / Excav TOE TRENCH
Cut Slope waterside of Dike
Complete chipping Timber

SAFETY Chain saw/ chipper ops
Hvy Eqpt ops.
Sub Contr. ops
Wet weather ops

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

DIKE CONSTRUCTION Import/ Place/Compact 1245 CY Clay
Begin Cut Slope To Grade / Water Side
Cut Slope / Land side

TOE TRENCH : Layout / Excav TOE TRENCH TO GRADE
±60% complete

Rip Rap: Ø

OTHER: Cont. chip Brush/Limbs

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE		TESTFILL CONST.	CY	
			AGGREGETES	TON	
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATERIAL	TON	
GEOWASTE MATERIAL	CY		GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY		CAYMAX	SY	
CLEAN	CY		GEOMEMBRANE	SY	
SLA	CY		MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAY	CY	1245	EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

03 Attached report required by Contract document

" " " " " "

" " " " " "

" " " " " "

" " " " " "

COMMENTS Empire / Clay Compaction

TECHINICAL CONCERNS/PROBLEMS:

Foul Weather Fromment

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	7	±70
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Ø Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

Ø 1

2

Accident/Breeches Report:_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 21, 1990

Arrived at 6:05 a.m.
Plan of Day:

Canonie
* Push fill in at common fill area.
* Demobe equipment.

OHM
* Place compacted dike fill.
* Excavate toe trench.

Talked with John and Nick about their dump method on fill. They are dumping in-line and spreading uncompacted fill over uncompacted fill, and working the compactor on the wrong side of the pile.

Scott and Grant prepared the 235 hoe for shipping off site.

OHM continued having problems with clay placement. Trucks continued to back in from support area. Dozer and compactor worked against each other. Cal talked with the Supervisor and operators.

Mike Turco called. He had received a call from Negrellie that Stubby had told him we were using common fill for the dike. I told Mike we were using the same clay Canonie used (Baker/Babbitt). I told him I would talk with Stubby. Stubby said there had been a misunderstanding. He told Negrellie we were building the dike on virgin material or same as common fill. Negrellie thought he said we were building the dike out of common fill.

Tom called and said we can place common fill in the SLA, but we can not start until Monday after we get the results from Hittman on the metals and VOA.

Pete, Canonie, asked me to look at the common fill area. It looks like we have enough material in to establish drainage. Just need to do some shaping before we place top soil.

Had problems with the toe stakes and key trench layout. I had to run the slope for them until they got started right. I had them build up the edges until the fill surface was flat and the compactor and dozer were working on the down slope with the way the trucks are running.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 21, 1990

Arrived at: 6:55 a.m.

Plan of Day:

Canonie

* Demobe equipment
* Receive pit run and grade in on east dike.
* Address punch list items west dike.

OHM

* Continue dike fill.
* Dig toe trench.
* Receive and stockpile rip rap.

Field Observations and Activities:

Canonie

* Receive pit run sand/gravel from Alfred Atlas. Spread and grade same to fill lows and achieve slope to drain to river on east side.
* Graded top of west dike to achieve 2% grade toward rip rap. Removed windrow of gradings along rip rap contact.

OHM

* Received, spread, leveled and compacted clay fill from Babbit pit. Lifts are less than 1' and compaction is mostly systematic. (Seven trucks hauled). Contractor not building to toe stakes until EBASCO intervened and insisted on overbuild to achieve required 90% compaction at neet line.
* Contractor staked toe trench and started excavation with backhoe. Trench must be widened to 4' bottom to conform with drawings.

Empire

* Took four densities in dike fill for OHM and five densities in test fill for EBASCO. Time split 50 - 50.

Left site at 3:00 p.m.

RECEIVED
NOV 2 6 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11/21/90 DAY: WED HRS.WRK. 10 REPORT NO. 40

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I 0 SUPT._____

H&SO 0 ENG._____

C/SE 1 LABOR_____

P.M. 0 OPER._____

HOP 1 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M._____ ENG._____

OTHERS _____ LABOR_____

" _____ OPER._____

USCOE/EPA 1 OTHER_____

"

VISITORS EMARE - 1

SURVEYOR D. MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe				
Back Hoe		SEE		
Compactor				
Compactor		OHM		
Dump Trk.				
Dump Trk.		REPORT		
Others				
"				
"				
"				
"				

FCI - 11/21/90

MEETINGS:

PLAN OF DAY OHM: PLACE CLAY FOR WEST BANK DIKE EXTENSION
D. MYERS: STAKE LOCATION OF KEY & TOE TRENCHES
EMPIRE: PERFORM IN-PLACE DENSITY & MOISTURE CONTENT TESTS

SAFETY FOLLOW SAFE CONSTRUCTION PRACTICE

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION:

WASTEPILE CONSTRUCTION:

OTHER: 1. SEE CANONIE FOR PARTIAL RIVER CHAN.
2. SEE OHM FOR WEST BANK DIKE EXT.

ECI - 11/21/90

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	ϕ
SLA EXCAVATION		
GEOWASTE MATERIAL	CY	ϕ
CANTAMINATED WASTE	CY	
CLEAN	CY	
MISC.	CY	
MISC.		

TYPE	UNIT	EST.QTY.
TESTFILL CONST.	CY	ϕ
AGGREGETES	TON	
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	TON	
GEOTEXTILE FAB	SY	
CAYMAX	SY	
GEOMEMBRANE	SY	
MISC. CLAY FOR DIKE EXT		2360
"		
"		
"		
"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
AGGREGATES	CY	
CLAYMAX	CY	
MISC. CLAY	CY	2360
MISC. RIPRAP	TONS	

TYPE	UNIT	EST.QTY.
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	CY	
GEOMAMBRANE	SY	
EQUIP. FUEL&LUBE	GAL	
MISC.		
MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.
MATERIAL USED FOR DIKE EXT. OBTAINED FROM SAME SOURCE & MANUFACTURE AS FOR PARTIAL RIVER CHANNELIZATION

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI- 11/21/90

REPORT NUMBERS

SEE OHM Attached report required by Contract document

" " " " " "

" " " " " "

" " " " " "

" " " " " "

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

RECEIVED
NOV 2 6 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 11-21-90 DAY: Wednesday HRS.WRK. 10 REPORT NO. 134

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: None HUMIDITY: ____ RIVER EL: AM ____ – PM ____

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. ____

	F.E/I 1	R.E.	
	H&SO 1	P.E. 1	
	C/SE	QCM	
	P.M.	H&SO	
	HOP 1	P.M.	
	"	P.SEC	
	"	HOP	
ARCO	P.M.	"	
OTHERS		CANONIE SUB.	App Surveyors
"		SUPV.	EMPS. 2
USCOE/EPA	2	SUB.	
"		SUPV.	EMPS.
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 2

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	Released			
" 963	Released			
" D-6	8			
Hydro Seeder		Stand by		
" 12G		Stand by		
(Sheep) Compactor	Released			
(Smooth) "		Stand by		
Canonie Wtr. Trk	Released			
Hertz Wtr. Trk		Stand by		
(F. Bank) Cat 235	Released			
Komatsu PC 200	5			
Generator/Steam Gen'y		Stand by		
4x4 Pickup	8			
Mechanic's Truck	8			

MEETINGS:

PLAN OF DAY Remove Stick & Counterweight from 235 Hoe
Pull Roadway Aggregate out from Rip Rap
Place Imported Fill for Ebasco (T&M)

SAFETY Good Construction Practice

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 606 (Construct W. Bank Roadway)

EAST BANK # 702 (Backfill E Bank Common Fill Area)

RIVER (Any activity performed in water or gravel bar)

OTHER # 803 (Demobilize Equipment)

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	~~SY~~	16.59 tons
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		" P.I Run	(Tom for Ebasco)	
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: No

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	16.59 tons
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

As-Built shots on E. Bank Rip Rap

QA/QC ACTIVITIES: None

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHNICAL CONCERNS/PROBLEMS: None

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION

SCHEDULE ACTIVIY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DESCRIPTION

SCHEDULE ACTIVITY NO. EFFECTED TIME REPORTED

REPORTED TO RESPONSE TIME

RESOLUTION/RESPONSE

DAY SUMMERY:

No Accidents or incidents to report today — November 21, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CLIENT: ARCO | DATE: 11-21-90

CLIENT: Sinclair Refinery, Wellsville | PE/PS:

JOB NO: 88-093 | LOCATION OF WORK: E. Bank and W. Bank

ACTIVITY: W. Bank

#606 (Construct W. Bank Roadway)
Pull Roadway Aggregate out from Rip Rap
sta 3+00 - 5+00
2 laborers 2 hrs ea.; PC 200 4 hrs

E. Bank

#202 (Backfill E. Bank Commercial Area)
- Placed impacted Pit Run for Ebasco. All Activities are based on Time and Material
T&M: 1 D-6 Dozer 8 hrs
1 operator 8 hrs

OTHER: #803 (Demobilize Equipment)
- Removed stick & Counter weight from 235 Hoe
- Machine is ready Demobilization.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 21, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	6:39 / 9:51	11:22 / 1:32 ~~3:00~~ 4:04 / 6:10	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:59 / 7:39	12:03 / 12:39 2:48 / 3:00	
C-10 C. Carrow	/	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	6:35 / 6:36	6:49 / 9:01 9:22 / 12:07	
C-16 S. Hunt	6:35 / 6:36	6:49 / 9:01 9:26 / 9:37 9:52 / 12:07 3:18 / 3:20	
C-17 P. Smith	/	/	
C-18 R. Daniels	6:59 / 7:39	12:03 / 12:39 2:48 / 3:00	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:15 / 11:17	12:40 2:37 3:00 /	
E-2 T. Granger	/	/	
E-3 S. Stiles	12:40 /	/	
E-4 C. Swann	7:01 / 9:05	7:37 / 12:15 1:35 / 3:16	
E-5 J. Lane	/ 12:39	/	
S-8 D. Simpadian	6:57 / 9:05	2:28 / 4:37	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:09 / 2:00	/	
C/E-2 M. HRYNIAK	9:41 / 3:09	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 2:00	/	
S-4 T. Cobb	1:55 / 7:00	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 21, 1990

No./Name	Time In/Out	Time In/Out	Remarks
E-6 N. Durovich	6:20 / 11:34	12:09/	OHM
A-3 D. Rall	6:27/		
A-8 M. Miller	6:27/		
A-4 J. Facio	6:20/9:32	9:53/6:00	
A-5 A. Gonzales	6:20/6:00		
E-9 S. St. Martin	6:20/		
A-6 J. Hoff	6:20/6:00		
M. Kravitz	11:30/6:40		
C/E-3 D. Tingue			Meyers
C/E-4 R. Crooks			Landscaping
E-5			
~~E-20~~ D. Wartinger	10:26/1:50		Empire Soils
Charlie Baker	6:55/7:30	9:37/10:27	1:12/1:42 5:07/5:36
Tom Cowan C-20	8:42/11:08		Beam Clean
L. Hoppock	7:39/8:22		OHM
JR. Green 7:55/8:02	8:58/9:04	9:57/10:01	10:53/11:02 12:00/12:05 4:30/4:50 5:40/5:45
Clint Perry 8:00/8:08			Alfred Atlas
Frank Charland 8:39/8:48	1:07/1:19	4:16/4:23	Williamson
Fred Osmond 8:42/8:48	12:48/12:52	4:16/4:23	"
Rick Szonne 8:42/8:51	12:22/12:28	4:16/4:25	Spin Rite
Jim Coombs 8:49/8:53	12:37/12:43		Williamson
Rob Hall 8:56/9:00	12:35/12:39	4:16/4:25	Spin Rite
Lyons Equip 9:57/10:07			
Larry Goodyear C-17	10:10/10:35		Dumac Forestry
UPS	10:35/10:37		
Shoats Oil Co.	1:33/1:35		deliv. fuel tank
Fed Ex	1:58/2:09		1x pickup/2x deliveries
Chris Cather	2:06/2:40		Shoats Oil Co.
UPS	4:14/4:14		
John Perkins	4:16/4:29		delivered a Roller
Boyd Green JR.	6:03/6:08	6:26/6:49	
G. Stiles			
S. Stiles			
N. Durovich			
D. Rall			Still working
M. Miller			
S. St. Martin			

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 24, 1990

No./Name	Time In/Out		Time In/Out			Remarks
John Perkins T-89	6:58/7:00		7:16/7:19	7:36/7:39	7:55/7:58	8:14/8:21
Rich Barry T-8	6:58/7:01		7:16/7:22	7:33/7:36	7:52/7:55	8:11/8:19
Boyd Green T-10	7:01/7:04		7:19/7:22	7:39/7:41	7:57/8:00	8:17/8:22
Russ Layton REO	7:03/7:06		7:22/7:25	7:40/7:43	7:59/8:01	8:19/8:24
Dale Baker Stomper	7:06/7:11		7:26/7:29	7:43/7:46	8:01/8:05	8:22/8:27
Brian Ennis Mills'	7:13/7:16		7:31/7:35	7:50/7:53	8:09/8:11	8:34/8:38
Marck Warner Mills	3:30/3:35		3:53/3:56	4:14/4:17	4:35/4:40	4:55/4:58
T-9	8:38/8:40	8:56/9:00	9:17/9:19	9:34/9:36	9:53/9:57	10:12/10:16
T-8	8:33/8:38	8:53/8:57	9:13/9:16	9:32/9:35	9:52/9:55	10:11/10:15
T-10	8:40/8:43	8:58/9:02	9:19/9:22	9:37/9:40	9:57/10:00	10:18/10:21
REO	8:41/8:44	9:01/9:04	9:20/9:25	9:40/9:43	9:59/10:01	10:19/10:22
Stomper	8:42/8:47	9:02/9:05	9:21/9:26	9:41/9:45	10:01/10:04	10:20/10:25
Mills	8:52/8:56	9:13/9:16	9:31/9:34	9:51/9:54	10:10/10:15	10:30/10:35
Mills	5:17/5:21	5:28/5:31	6:01/6:04	6:23/6:37		
T-9	10:33/10:36	10:53/10:56	11:12/11:16	11:32/11:35	11:52/11:55	12:10/12:14
T-8	10:30/10:35	10:48/10:50	11:07/11:10	11:27/11:30	11:46/11:48	12:07/12:10
T-10	10:38/10:41	10:59/11:02	11:20/11:22	11:38/11:41	12:00/12:03	12:20/12:23
REO	10:40/10:45	11:02/11:05	11:22/11:25	11:42/11:45	12:03/12:05	12:23/12:26
Stomper	10:44/10:47	11:03/11:06	11:22/11:27	11:44/11:47	12:04/12:07	12:24/12:28
Mills'	10:51/10:55	11:11/11:15	11:30/11:34	11:51/11:54	12:14/12:19	12:35/12:39
T-9	12:29/12:31	12:50/12:54	1:08/1:12	1:32/1:35	1:53/1:55	2:13/2:16
T-8	12:25/12:30	12:46/12:50	1:07/1:11	1:29/1:32	1:51/1:54	2:09/2:12
T-10	12:39/12:43	1:01/1:04	1:21/1:25	1:44/1:46	2:03/2:06	2:27/2:30
REO	12:43/12:46	1:04/1:09	1:24/1:30	1:47/1:50	2:09/2:11	2:31/2:35
Stomper	12:45/12:48	1:06/1:09	1:26/1:30	1:50/1:53	2:15/2:17	2:36/2:41
Mills'	12:56/1:00	1:16/1:20	1:37/1:40	1:56/2:01	2:18/2:22	2:39/2:43
T-9	2:37/2:40	2:59/3:04	3:24/3:27	3:45/3:49	4:05/4:09	4:27/4:30
T-8	2:27/2:30	2:54/2:58	3:16/3:18	3:36/3:39	3:57/4:00	4:19/4:22
T-10	2:48/2:51	3:10/3:13	3:31/3:34	3:52/3:55	4:12/4:15	4:32/4:35
REO	2:54/2:57	3:13/3:17	3:35/3:38	3:56/3:59	4:17/4:21	4:38/4:41
Stomper	2:59/3:01	3:21/3:24	3:40/3:44	4:00/4:03	4:22/4:25	4:42/4:46
Mills'	3:01/3:01	3:25/3:30	3:46/3:49	4:06/4:10	4:28/4:32	4:50/4:53
T-9	4:50/4:53	5:09/5:12	5:23/5:26	5:50/5:53	6:10/6:17	
T-8	4:40/4:42	5:04/5:04	5:20/5:23	5:45/5:48	6:07/6:10	6:29/6:41
T-10	4:55/4:58	5:16/5:20	5:26/5:29	5:58/6:02	6:20/6:49	
REO	4:59/5:03	5:22/5:25	5:42/5:45	6:05/6:08	6:26/6:41	
Stomper	5:03/5:07	5:34/5:36	5:46/5:50	6:09/6:17		
Mills'	5:18/5:15	5:39/5:28	5:57/6:00	6:17/6:37		

RECEIVED
NOV 2 7 1990

SINCLAIR REFINERY SITE

DIKE EXTENTION — EBASCO / ARCO

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-21-90 DAY: WED HRS.WRK. 13 REPORT NO. 40

WEATHER INFORMATION:

TEMPATURE: High 50 Low 30 WIND: Mph. Ø Dir. ____

PRECIPITATION: NONE HUMIDITY: ____

PERSONNEL: NON-MANUAL EBASCO. C.M. ____ OHM. P.S. HOFF

F.E/I ____ P.M. KRAVECZ

H&SO ____ HOP DUROVICH

C/SE ____ " ____

P.M. ____ " ____

HOP ____

" ____

" ____ Baker Edcon

ARCO P.M. ____ sup 1 Empl 5

OTHERS ____ SUB. Myers Survey

" ____ SUPV. 1 EMPS 1

USCOE/EPA ____ SUB. Empire

" ____ SUPV. 1 EMPS 1

VISITORS ____

MANUAL OHM Gen. Labor 2 Equip. oper. 3

Truck drivers ____ Others ____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
PC400	10	3		
D58P	12	1		
D37P	2	11		
215	3	10		
Dump Trk.	2	11		
Others				
SF" Compt.	11	2		
SD" Compt	2	Ø		
Decon	Ø	13		
Chipper	6	7		

PAGE: 1 OF ____

MEETINGS:

PLAN OF DAY Cont. Import/Place/Compact Clay Fill
Cont Excav TOE TRENCH
Cont Import Stockpile, Rip RAP & BEDDING
Chip downed Trees @ SOUTH END OF Dike

SAFETY Chipper/Chain Saw OPS
AFTER DARK OPS
Sub Contr OPS
TASKS AT HAND

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

DIKE **CONSTRUCTION** Cont Import/Place/Compact Clay
Cont. Excav TOE TRENCH -- SEE Tec. Concerns

TOE TRENCH

Rip RAP Recv/Stockpile 214. Tons

OTHER: Recv 160 Tons Bedding Stone
Chip Trees @ SOUTH END OF Dike

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE		TESTFILL CONST.	CY	
			AGGREGETES	TON	
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATERIAL	TON	
GEOWASTE MATERIAL	CY		GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY		CAYMAX	SY	
CLEAN	CY		GEOMEMBRANE	SY	
SLA	CY		MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	Ton ~~CY~~	374	GEOMAMBRANE	SY	
CLAY	CY	2289	EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
Smooth/Compactor	YES ✓ NO	No	MOA
Limb Chipper	YES ✓ NO	N/A	MOA
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

02 Attached report required by Contract document

" " " " " "

" " " " " "

" " " " " "

" " " " " "

COMMENTS Empire / Clay Compaction

TECHNICAL CONCERNS/PROBLEMS:

Toe Trench Layout confirmed defective, Unable To get Ahold of Survey Contr. Must Slope Dike & Excav Toe Trench ASAP Rain predicted THURS/FRI

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	7	± 80
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1

2

Accident/Breeches Report:

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 20, 1990

Arrived at 6:30 a.m. 26 degrees last night.

Plan of Day:

Canonie
* Push in common fill on east bank.
* Fine grade inside slope west bank.
* Seed and mulch east and west bank.

OHM
* Excavate key trench.
* Place compacted dike fill.
* Excavate toe trench.
* Chip brush.

Meyer
* Cross section waste piles.
* Check settlement plates.
* Check top of west dike for 2% slope.

Baker had trucks (4) of clay at gate at 7:15 a.m. OHM's roller did not arrive until 7:45 a.m. There was considerable confusion for about 1 1/2 hrs. I told them they could not run in the soft mud and onto their fill, so they ordered gravel for the north haul road and started dumping on the south end.

Inspected key trench at south end and approved for backfill.

Stubby and Michael, Corps., inquired about the dike extension work. I gave them a copy of the lab reports.

Asked John Huff, OHM, to erect a demarcation fence.

Went to common fill area and talked with Pete P., Canonie. We agreed that we need another 500 cy to finish.
Also, talked with him about this weekend. He said Scott and Grant would be leaving around noon Wednesday and he would be leaving at the end of the day, and will not be back until Monday.

John H., OHM, asked if they could start working at 6:30 a.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 20, 1990

Arrived at 6:40 a.m.

Plan For Day

Canonie

* Receive and spread pit run on east side to achieve essential slope toward river.
* Dress topsoiled slope on west dike.
* Seed and mulch.

OHM

* Dig and backfill south key trench.
* Strip and stockpile topsoil on toe trench between SLA and NY dike.
* Receive, spread, and compact clay fill from Babbit Pit in dike extension.

Field Observations and Activities:

Canonie

* Received pit run material on east side from Alfred Atlas. Spread same in low areas to achieve essential gentle sloping surface toward river and eliminate swamp like condition.
* Dressed topsoil slope at south end NY dike.
* Seeded and mulched west dike slope.
* Pretreated equipment for demobe from site.

OHM

* Excavated key trench at south end in natural material without contamination or noticeable odor and backfilled same in one foot lifts with compaction provided by minimum 6 passes with pad foot roller.
* Excavated topsoil on toe trench footprint between NY dike and SLA and hauled same to stockpile at south end of work area.
* Proof rolled dike foundation with minimum of six passes of CAT selfpropelled pad foot roller. Slight crust of frost broke up under repetitive roller passes.
* Reveived, spread, and compacted Babbit pit clay in 12 inch lifts with minimum of 4 roller coverages provided. Four nuclear density measurements indicate satisfactory compaction.
* Received and stockpiled 15 loads of rip rap.

Meyer

* Read settlement plates.
* Sectioned SLA storage pile for EBASCO. Worked remainder of day for OHM.

Empire

* Took density tests in test fill.
* Took density tests for OHM in dike fill. All results exceeded the required 95% compaction.
* Time this day split 50 - 50 (OHM -EBASCO).

Left site at 7:15 p.m.

RECEIVED
NOV 2 6 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11/20/90 DAY: TUES HRS.WRK. 10 REPORT NO. 39

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I 0 SUPT._____

H&SO 1 ENG._____

C/SE 1 LABOR_____

P.M. 0 OPER._____

HOP 1 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. 0 ENG._____

OTHERS 0 LABOR_____

" _____ OPER._____

USCOE/EPA_____ OTHER_____

" _____

VISITORS EMPIRE - 1

SURVEYOR D MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe		SEE		
Back Hoe				
Compactor				
Compactor		OHM		
Dump Trk.				
Dump Trk.				
Others		REPORT		
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY OHM = EXCAVATE KEY TRENCH AND PLACE CLAY FOR WEST BANK DIKE EXTENSION
D. MYERS : STAKE LOCATION OF KEY & TOE TRENCHES
EMPIRE : PERFORM IN PLACE DENSITY & MOISTURE CONTENT TESTS.

SAFETY FOLLOW INSTRUCTIONS OF H&S OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION:

WASTEPILE CONSTRUCTION:

OTHER: 1. SEE CANONIE

2. SEE OHM FOR CONSTRUCTION OF WEST BANK DIKE EXTENSION

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	0	TESTFILL CONST.	CY	0
			AGGREGETES	TON	
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
SLA EXCAVATION			BEDDING MATERIAL	TON	
GEOWASTE MATERIAL	CY	0	GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY		CAYMAX	SY	
CLEAN	CY		GEOMEMBRANE	SY	V
MISC.	CY		MISC. CLAY	CY	1760
MISC.		0	" FOR DIKE EXT.		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	
MISC. CLAY	CY	1760	MISC.		
MISC. RIPRAP	TON		MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.
MATERIAL USED FOR DIKE EXT. OBTAINED FROM SAME SOURCE & OF SAME MANUFACTURE AS FOR PARTIAL RIVER CHANNEL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI- 11/20/90

REPORT NUMBERS
SEE OHM Attached report required by Contract document
_____ " " " " " "
_____ " " " " " "
_____ " " " " " "
_____ " " " " " "

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY
ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:
Personnel: Emps. In:_____ Emps. Out:_____
Equipment: In:_____ Out:_____
Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:
No. Time Location Emp.No./Equip.No. Injury/damage Response
1 _____
2 _____
Accident/Breeches Report:_____

RECEIVED

NOV 2 6 1990

EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 11-20-90 DAY: Tuesday HRS.WRK. 10 REPORT NO. 133

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. - Dir. ____

PRECIPITATION: None HUMIDITY: ____ RIVER EL: AM - PM 570.6

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. ____

		F.E/I 1	R.E. ____
		H&SO 1	P.E. 1
		C/SE ____	QCM ____
		P.M. ____	H&SO ____
		HOP 1	P.M. ____
		" ____	P.SEC ____
		" ____	HOP ____
	ARCO	P.M. ____	" ____
	OTHERS	____	CANONIE SUB. App Surveyors
	"		SUPV. ____ EMPS. 2
	USCOE/EPA	2	SUB. ____
	"	____	SUPV. ____ EMPS. ____
	VISITORS	See Security log	

MANUAL CANONIE GEN. Labor ____ Equip. Oper. ____

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	Released			
" 963	Released			
" D-6	10			
Hydro Seeder	10			
" 12G		Stand by		
(Sheep) Compactor	Released			
(Smooth) "		Stand by		
Canonie Wtr. Trk	Released			
Hertz Wtr. Trk		Stand by		
(E.Bank) Cat 235	Released			
Komatsu PC200	0			
Generator/Steam Gen		Stand by		
½ ton pickup	10			
Mechanic Truck	11			

MEETINGS:

PLAN OF DAY Seed E. Bank & W. Bank
Pull Roadway Agg. out from Rip Rap
Place Imported Fill for Ebasco (Tim)

SAFETY Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 606 (Construct W. Bank Roadway)
607 (Topsoil & Seed W. Bank Areas)

EAST BANK # 707 (Topsoil & Seed E. Bank Area)
707 (Backfill E. Bank Common Fill Area)

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		• Pit Run (T&M for Ebasco)		
TOE TRENCH EXCAV.			•		
CLEAN MATRL.	CY		•		
WASTE MATRL.	CY		•		

MATERIALS RECEIVED: None

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS	1200		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
•				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

Restake W. Bank Dike shoulders

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	E. Bank/W. Bank	A-10	Seed		X	
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No accidents or incidents to report today ——— November 20, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

CLIENT: ARCO	DATE: 11-20-90
CLIENT: Sinclair Refinery, Wellsville	PE/PS
JOB NO: 88-093	LOCATION OF WORK: East and West Banks

ACTIVITY: W. Bank

#606 (Construct W. Bank Roadway)
- Pull Roadway Aggregate out from Rip Rap
  2 laborers 4 hrs ea. sta 0+00 - sta 3+00

607 (Topsoil & Seed West Bank Area)
- Seeded inside slope of W. Bank Dike sta 5+50 - sta 22+31.55
- Seeded drainage swale on inside of Dike sta 5+50 - sta 16+00
- Area behind NY Dike does not require seeding sta 16+50 - 22+31.55
- Lined inside slope of Dike and drainage swale sta 5+50 to sta 10+00

E. Bank

#707 (Topsoil & Seed E. Bank areas)
- Seeded E. Bank sta 3+00 - sta 8+00

#702 (Backfill E. Bank Commonfill Area)
- Backfill E. Bank commonfill Area for Ebasco.
- Place imported Pit Run from Alfred Atlas for Ebasco. All Activities are based on Time & Material.
  1 D-6 Dozer 8 hrs
  1 operator 8 hrs

FORM A-10
SHEET ____ OF ____
INSPECTION DATE 11-20-90

SEEDS AND FERTILIZERS

E. Bank / W. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH SPECIFICATION REQUIREMENTS.	X		
- SEEDS ARE DRY AND FREE OF DAMAGE.	X		
- FERTILIZER IS FREE OF MOISTURE AND LUMPS.	X		
2. PLACEMENT			
- AREA RECEIVING SEEDS AND FERTILIZERS IS SCARIFIED OR LOOSE, AND FREE OF STONES LARGER THAN 6 INCHES.	X		
- PLANTING SEASON IS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND ACCEPTED BY CONSTRUCTION MANAGER.	X		
3. VERIFICATION TESTING			
- 1 TEST SAMPLE FOR EVERY 200 LBS. OF SEED MIXTURE OR 1 SAMPLE FROM EACH LOT WHICHEVER GOVERNS IS TAKEN AND SENT FOR TESTING.	X		
- TEST RESULTS MEET OR EXCEED THE REQUIREMENTS OF THE SPECIFICATIONS.	X		

4. REMARKS _____

INSPECTOR _____ DATE 11-26-90

REVIEWED BY _____ DATE 11/26

P. O. BOX 366
BUFFALO, NY 14240

Stanford Seed

MUDDY CREEK ROAD
DENVER, PA 17517

11-20

CANONIE MIXTURE

PURE SEED		GERMINATION + H.S.
63.85%	RED FESCUE-CREEPING TYPE CANADA ORIGIN	95%
25.30%	PERENNIAL RYEGRASS	90%
8.99%	WHITE CLOVER	85% + 0%
	VARIETY NOT STATED-NEW ZEALAND ORIGIN	
1.00%	INERT MATTER	
.66%	OTHER CROP SEED	
.20%	WEED SEED	

NET WT. 33#
1/2 ACRE PKG.

BROOKS FARM & HOME CENTER WELLESVILLE, NY 14895
LOT 21037-75941 TEST DATE - OCT, 1990

P. O. BOX 366
BUFFALO, NY 14240

Stanford Seed

MUDDY CREEK ROAD
DENVER, PA 17517

11-20

CANONIE MIXTURE

PURE SEED		GERMINATION + H.S.
63.85%	RED FESCUE-CREEPING TYPE CANADA ORIGIN	95%
25.30%	PERENNIAL RYEGRASS	90%
8.99%	WHITE CLOVER	85% + 0%
	VARIETY NOT STATED-NEW ZEALAND ORIGIN	
1.00%	INERT MATTER	
.66%	OTHER CROP SEED	
.20%	WEED SEED	

NET WT. 33#
1/2 ACRE PKG.

BROOKS FARM & HOME CENTER WELLESVILLE, NY 14895
LOT 21037-75941 TEST DATE - OCT, 1990

P. O. BOX 366
BUFFALO, NY 14240

Stanford Seed

MUDDY CREEK ROAD
DENVER, PA 17517

11-20

CANONIE MIXTURE

PURE SEED		GERMINATION + H.S.
63.85%	FINE FESCUE-CREEPING TYPE	95%
	CANADA ORIGIN	
25.30%	PERENNIAL RYEGRASS	90%
8.79%	WHITE CLOVER	85% + 0%
	VARIETY NOT STATED-NEW ZEALAND ORIGIN	
1.00%	INERT MATTER	
.86%	OTHER CROP SEED	
.20%	WEED SEED	

NET WT. 33#
1/2 ACRE PKG.

BROOKS FARM & HOME CENTER WELLESVILLE, NY 14895
LOT 21037-75941 TEST DATE - OCT, 1990

P. O. BOX 366
BUFFALO, NY 14240

Stanford Seed

MUDDY CREEK ROAD
DENVER, PA 17517

11-20

CANONIE MIXTURE

PURE SEED		GERMINATION + H.S.
63.85%	FINE FESCUE-CREEPING TYPE	95%
	CANADA ORIGIN	
25.30%	PERENNIAL RYEGRASS	90%
8.79%	WHITE CLOVER	85% + 0%
	VARIETY NOT STATED-NEW ZEALAND ORIGIN	
1.00%	INERT MATTER	
.86%	OTHER CROP SEED	
.20%	WEED SEED	

NET WT. 33#
1/2 ACRE PKG.

BROOKS FARM & HOME CENTER WELLESVILLE, NY 14895
LOT 21037-75941 TEST DATE - OCT, 1990

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 20, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/ 9:03	
C-3 P. Porter	6:36 / 7:11	8:46 / ~~10:26~~	10:26/10:36 12:30/1:06
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	7:00 / 9:25	10:03 / 11:45	12:02/2:35
C-10 C. Carrow	/	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	10:35
C-15 G. Maichele	6:36 / ~~6:42~~ 7:04	7:10 / 7:11	8:39/10:39 10:58/11:25 12:00/1:22
C-16 S. Hunt	6:41 / 6:42	7:07 / 7:18	8:39/10:35 10:58/11:47 11:50/2:50
C-17 P. Smith	/	/	
C-18 R. Bartels	7:00 / 9:25	10:03 / 11:45	12:02/3:35
C-19 ~~[redacted]~~	~~[redacted]~~ /	/	
C-20 [redacted]	/	/	
		1:47	
E-1 G. Stiles	6:26 / ~~8:58~~ 10:58	11:40 / ~~11:48~~	2:02 /
E-2 T. Granger	/	/	
E-3 S. Stiles	11:40 / 2:30	3:47 /	
E-4 C. Swann	7:00 / 11:48	1:23 /	
E-5 J. Lane	7:07 / 8:58	9:22 / 11:42	12:07/1:44 2:06/3:31 3:48/4:14
S-8 D. Simpadian	7:46 / 11:53	1:07 / 6:13	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	9:42 / 1:30	/	
C/E-8 M. Hrywnak	10:13 / 2:57	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	2:14 / 2:15	/	
S-3 Jerry Palmer	6:00 / 12:00	/	
S-4 T. Cobb	1:46 / 6:30	/	
S-5 A. Fox	11:05 / 11:07	2:09 / 12:06	4:54/4:55
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 20, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	5:20 /	/	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	1:29 / 3:45	4:01 / 5:47	
C-16 S. Hunt	3:17 / 3:35	4:01 / 5:37	
C-17 P. Smith	/	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4	/	/	
E-5 J. Lohe	4:35 / 5:11	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 20, 1990

No./Name	Time In/Out	Time In/Out	Remarks
E-6 N. DuRovich	6:23/10:54	11:30/	OHM
A-3 D. Rall	6:27/1:49	2:11/6:04	
A-8 M. Miller	6:27/6:04		
A-4 J. Facio	6:51/5:16		
A-5 A. Gonzales	6:51/11:30	12:02/5:16	
E-9 S. St. Martin	6:23/6:04		
A-6 J. Hoff	6:23/6:04		
C/E-3 D. Tingue	6:48/12:21	12:53/5:20	Meyers
C/E-4 R. Crooks	6:48/12:21	12:53/5:20	Landscaping
OHM Truck	6:48/7:31		
John Perkins	7:13/7:28		Bakers
Rick Szonne	8:29/8:34	12:02/12:07 3:48/3:51	Spin Rite
Charley Baker	8:34/9:00	9:10/10:40 12:06/12:21	
Fred Osmond	8:50/9:00	1:04/1:14	Williamson
Frank Charland	8:53/9:01		"
Jim Coombs	8:53/9:03	1:14/1:21	"
Jim Rafter	8:53/9:03	12:47/12:51 4:49/4:53	Spin Rite
Bob Cline	9:02/9:05		Gary Baker Truck
Cindy Balcom	9:02/9:05		Bliven Trucking
Brian Baker E-2	9:22/9:33		LC Whitford
Dan Demming	9:23/10:32		Bakers
Rupp Rental delivery	10:10/10:44		
Deans Septic Serv.	10:11/10:50		
Dan Wartinger C-19	10:22/1:17		Empire Soils
UPS	10:26/10:31	12:49/12:51	
FedEx	1:30/1:38		
Charlie Carter	2:14/2:33	4:11/5:03	
Tom Frair	5:05/3:33		
Rick Smith	4:16/4:40		Sharts oil Co.
Douglas Abbott	4:A/4:37		For OHM
UPS	4:26/4:28		
Boyd Green Jr.	5:39/5:54		
P. Porter			
G. Stiles			
S. Stiles			still working
C. Swann			
N. DuRovich			

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 20, 1990

No./Name	Time In/Out	Time In/Out	Remarks
Rich Barry (T-8)	7:04/7:50	8:06/8:11	8:24/8:26	8:44/8:47	9:06/9:09
Russ Layton (REO)	7:07/7:50	8:08/8:13	8:30/8:33	8:50/8:53	9:09/9:13
Charley Baker (T-9) (Peakins)	7:08/7:54	8:11/8:16	8:31/8:35	8:50/8:56	9:11/9:15
Boyd Green (T-10)	7:16/7:49	8:05/8:08	8:23/8:26	8:41/8:44	9:00/9:04
Dale Baker (Stomper)	7:37/7:44	8:01/8:04	8:19/8:23	8:38/8:41	8:55/9:00

T-8	9:21/9:28	9:40/9:44	9:58/10:00	10:19/10:22	10:45/10:48	11:04/11:08	
REO	9:28/9:31	9:49/9:51	10:05/10:09	10:24/10:26	10:42/10:45	11:02/11:05	
T-9	9:30/9:33	9:49/9:52	10:09/10:11	10:27/10:31	10:47/10:53	11:06/11:10	
T-10	9:19/9:24	9:38/9:40	9:56/9:58	10:19/10:21	10:40/10:43	10:58/11:01	
Stomper	9:14/9:19	9:34/9:37	9:52/9:55	10:11/10:14	10:27/10:32	10:48/10:53	

T-8	11:23/11:26	11:43/11:46	12:02/12:06	12:23/12:26	12:41/12:43	1:02/1:05	
REO	11:23/11:25	11:42/11:45	12:02/12:05	12:21/12:23	12:41/12:43	1:01/1:04	
T-9	11:26/11:28	11:40/11:52	12:07/12:10	12:27/12:30	12:47/12:51	1:04/1:08	
T-10	11:16/11:19	11:35/11:40	11:58/12:00	12:18/12:21	12:37/12:39	12:56/12:58	
Stomper	11:10/11:13	11:28/11:31	11:47/11:50	12:06/12:09	12:25/12:28	12:43/12:47	

T-8	1:23/1:25	1:42/1:45	2:01/2:03	2:18/2:21	2:38/2:41	2:56/3:01	3:19/3:21	
REO	1:21/1:24	1:41/1:43	1:59/2:01	2:18/2:20	2:38/2:41	2:58/3:00	3:17/3:19	
T-9	1:26/1:29	1:47/1:50	2:04/2:07	2:24/2:27	2:43/2:45	3:04/3:06	3:24/3:26	
T-10	1:21/1:23	1:40/1:42	1:57/1:59	2:16/2:19	2:36/2:38	2:56/2:59	3:14/3:17	
Stomper	1:04/1:07	1:25/1:28	1:45/1:48	2:02/2:06	2:22/2:25	2:41/2:44	3:01/3:04	

T-8	3:36/3:41	3:55/3:59	4:16/4:19	4:32/4:36	4:53/4:56		
REO	3:35/3:38	3:54/3:58	4:14/4:16	4:32/4:35	4:52/4:55		
T-9	3:41/3:45	4:00/4:03	4:19/4:22	4:39/4:41	4:56/5:03		
T-10	3:33/3:37	3:52/3:55	4:12/4:14	4:31/4:34	4:51/4:53		
Stomper	3:22/3:25	3:41/3:44	3:58/4:01	4:18/4:21	4:36/4:39	4:55/5:02	

RECEIVED
NOV 2 7 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

DIKE EXTENTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-20-90 DAY: TUES HRS.WRK. 11 REPORT NO. 39

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. HOFF, JW

F.E/I_____ P.M._____

H&SO_____ HOP DUROVICH, D

C/SE_____ " _____

P.M._____ " _____

HOP_____

" _____

" _____ Baker Edcar Supv 1. Empl 5

ARCO P.M._____

OTHERS _____ SUB Empire Eng

" _____ SUPV.____ EMPS 1

USCOE/EPA_____ SUB. Myers Survey

" _____ SUPV. 1 EMPS 1

VISITORS_____

MANUAL OHM Gen. Labor 2 Equip. oper. 3

Truck drivers_____ Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
PC 400	6	5		
D58P	11	Ø		
D37P	2	9		
215	Ø	10		
Dump Trk.				
Others				
SF "Compstoe	11	Ø		
Deron	Ø	11		
"				
"				

PAGE: 1 OF____

MEETINGS:

PLAN OF DAY Begin Import/Grade/Compact Clay fill
Import/Stockpile Rip Rap
Excav/B'fill/Compact South Key TRENCH

SAFETY SubContr. ops
Huy EQPT ops
Cold weather ops.

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

DIKE CONSTRUCTION Proof Roll BASE OF Dike Area
Begin Import/Place/Compact Clay Fil
Excav/B'fill/Compact South Key TRENCH

TOE TRENCH: Begin Excav of Toe Trench

Rip Rap: Recv/Stockpile 242.08 Tons

OTHER: P/U Rental Light Plant & Set up
Recv OHM 215 Excav
Recv Rental Sheeps Foot Compactor

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE		TESTFILL CONST.	CY	
			AGGREGETES	TON	
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATERIAL	TON	
GEOWASTE MATERIAL	CY		GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY		CAYMAX	SY	
CLEAN	CY	1188	GEOMEMBRANE	SY	
SLA	CY		MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	TON ~~CY~~	242.08	GEOMAMBRANE	SY	
CLAY	CY	1188	EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
CAT 215 EXCAV	YES ✓ NO	NO	
Light STA.	YES ✓ NO	N/A	
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

01	Attached report required by Contract document
	" " " " " "
	" " " " " "
	" " " " " "
	" " " " " "

COMMENTS Empire / Clay Compaction TESTING

TECHINICAL CONCERNS/PROBLEMS:

RAIN Predicted FOR THURS / Fri

SURVEY / Layout OF TOE TRENCH SEEMS QUESTIONable

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	07	±70
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2					

Accident/Breeches Report:_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 19, 1990

Arrived at 6:45 a.m.

Plan of Day:

Canonie

* Fine grade, seed and mulch east and west banks.

OHM

* Clear and grubb dike fdn.

Due to the frost in the ground, Canonie could not fine grade the slopes and rough areas until 11:00 a.m.

OHM started the dike extension grubbing and key trench excavation.

Rupp Equipment Rental delivered a Komatsu KD85B dozer and picked up one of the heavy haul units for OHM.

Tony Gorman, Liner Tech. called. He is trying to get some people to install the HDPE & PVC. He is upset about what has gone on. I told him the H&S requirement is not EBASCO/ARCO, but OSHA, and he has just been getting by lucky. He called back later, and he will have some one here on Friday. He has talked with his technician (Ted). He has doubts they can weld seams on that soft material. It normally takes twelve to fifteen people to fold this material out.

John Hoff, OHM Supervisor, arrived today. I explained that I would expect a well controlled and coordinated activity. We do not allow tracking of debris or mud onto the fill, so the haul roads must be kept. Also, they must not work outside their work area.

Talked with Nick and John, OHM, about the proof rolling of the dike foundation.

Mark K., OHM, called about what material is required for SLA backfill.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 19, 1990

Arrived at: 6:50 a.m.

Plan of Day:

Canonie
* Seed, fertilize and mulch east bank and dike area.
* Continue grading.

OHM
* Clear and grub dike extension footprint, strip topsoil and commence toe trench excavation.

Field Observations and Activities:

Canonie
* Seeded and mulched to east side Sta. 7+50 except for rutted area immediately adjacent to dike which was graded with eastside bulldozer.
* Fine graded topsoiled inside slope of west dike and fertilized.

OHM
* Excavated key trench at tie in with NY dike. Material was clean and not visually contaminated. Replaced same in trench in 4 - 6 inch lifts and compacted with tracks of D-4 bulldozer. Stripped topsoil between end SLA and south limit of dike extension.
* Laborers picked up brush and tree limbs, resulting from clearing with backhoe, and hauled to stockpile area for chipping.

Hittman-EBASCO
* Demobed site on November 17, 1990.

Empire
* Took five sand cone densities in test fill.

Left site at 7:00 p.m.

RECEIVED
NOV 2 6 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11/19/90 DAY: MON HRS.WRK. 10 REPORT NO. 38

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I Φ SUPT._____

H&SO 1 ENG._____

C/SE 1 LABOR_____

P.M. Φ OPER._____

HOP 1 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. Φ ENG._____

OTHERS Φ LABOR_____

" _____ OPER._____

USCOE/EPA_____ OTHER_____

"

VISITORS EMPAREI

SURVEYOR D. MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer		SEE		
Back Hoe				
Back Hoe		OHM		
Compactor				
Compactor				
Dump Trk.		REPORT		
Dump Trk.				
Others				
"				
"				
"				
"				

ECI - 11/14/90

MEETINGS:

PLAN OF DAY OHM: CLEAR WEST BANK DIKE EXTENSION AREA ; KEY TRENCH EXCAVATION EBASCO: COMPLETE SOIL SAMPLING

SAFETY FOLLOW INSTRUCTIONS OF H&S OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION: SEE OHM

WASTEPILE CONSTRUCTION: SEE OHM

OTHER: 1. SEE CANONIE FOR PARTIAL RIVER CHANNEL
2. SEE OHM FOR WEST BANK DIKE EXT.

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	0.3
SLA EXCAVATION		
GEOWASTE MATERIAL	CY	0
CANTAMINATED WASTE	CY	
CLEAN	CY	
MISC.	CY	
MISC.		0

TYPE	UNIT	EST.QTY.
TESTFILL CONST.	CY	0
AGGREGETES	TON	
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	TON	
GEOTEXTILE FAB	SY	
CAYMAX	SY	
GEOMEMBRANE	SY	
MISC.		
"		
"		
"		
"		0

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
AGGREGATES	CY	
CLAYMAX	CY	
MISC.		
MISC.		

TYPE	UNIT	EST.QTY.
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	CY	
GEOMAMBRANE	SY	
EQUIP. FUEL&LUBE	GAL	
MISC.		
MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI- 11/19/90

REPORT NUMBERS

SEE OHM Attached report required by Contract document

" " " " " "

" " " " " "

" " " " " "

" " " " " "

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

RECEIVED
NOV 26 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

DAILY REPORT

DATE: 11-19-90 DAY: Monday HRS.WRK. 10 REPORT NO. 132

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: None HUMIDITY: ____ RIVER EL: AM 5.13 PM 5.10

PERSONNEL: NON MANUAL EBASCO.C.M. 1 CANONIE.P.S. ____

	F.E/I	1	R.E.
	H&SO	1	P.E. 1
	C/SE		QCM
	P.M.		H&SO
	HOP	1	P.M.
	"		P.SEC
	"		HOP
ARCO	P.M.		"
OTHERS			CANONIE SUB. App Surveyors
"			SUPV. ____ EMPS. 2
USCOE/EPA		2	SUB. ____
"			SUPV. ____ EMPS. ____
VISITORS		See Security log	

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 3

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	Released			
" 963	Released			
" D-6	10			
Hydro Seeder	10			
" 12G		Stand by		
(Sheep) Compactor	Released			
(Smooth) "		standby		
Canonie Wtr. Trk	Released			
Hertz Wtr. Trk		Stand by		
(E. Bank) Cat 235	Released			
Komatsu PC 200	5			
Generator / Steam Gengy		Stand by		
Vacuum Pump	10			
Mechanic Truck	1			

MEETINGS:

PLAN OF DAY Seed E. Bank & W. Bank if time allows.

SAFETY Wear Safety glasses when using seeder. Good Construction Practice

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK # 607 (Topsoil & seed W. Bank Areas)

EAST BANK #707 (Seed and Topsoil E. Bank Areas)

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS	750		
SANITARY WSTE.	GALS	100		
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

As-Built Shots on E. Bank 0+00 - 10+00

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	10+00	A-10	Seeding		X	
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: NONE

REPORT NUMBERS

Attach report required by Contract Document

▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪
▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No accidents or incidents to report today — November 19, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CLIENT: ARCO | DATE: 11-19-90

CLIENT: Sinclair Refinery, Wellsville | PE/PS

JOB NO: 88-093 | LOCATION OF WORK: East & West Banks

ACTIVITY: W. Bank

#607 (Topsoil & Seed W. Bank Areas)

- Final Dressed inside Slope of W. Bank Dike, Inside Slope and Drainage Swale are both ready for seeding.
- Limed inside Slope of Dike sta 10+00 - 22+31.59 and Drainage Swales sta 10+00 - 16+50
- Area behind the NY Dike Sta 16+50 - 22+31.59 does not require seeding

E. Bank

#707 (Topsoil & Seed E. Bank Areas)

- Seeded E. Bank sta 17+00 - sta 9+00

941

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File | Yellow Copy: Return to KOP Project Engineer | Pink Copy: Remains on Site

FORM A-10
SHEET ____ OF ____
INSPECTION DATE 11-19-90

SEEDS AND FERTILIZERS

E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH SPECIFICATION REQUIREMENTS.	X		
- SEEDS ARE DRY AND FREE OF DAMAGE.	X		
- FERTILIZER IS FREE OF MOISTURE AND LUMPS.	X		
2. PLACEMENT			
- AREA RECEIVING SEEDS AND FERTILIZERS IS SCARIFIED OR LOOSE, AND FREE OF STONES LARGER THAN 6 INCHES.	X		
- PLANTING SEASON IS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND ACCEPTED BY CONSTRUCTION MANAGER.	X		
3. VERIFICATION TESTING			
- 1 TEST SAMPLE FOR EVERY 200 LBS. OF SEED MIXTURE OR 1 SAMPLE FROM EACH LOT WHICHEVER GOVERNS IS TAKEN AND SENT FOR TESTING.	X		
- TEST RESULTS MEET OR EXCEED THE REQUIREMENTS OF THE SPECIFICATIONS.	X		

4. REMARKS _____

INSPECTOR _____ DATE 11-26-90

REVIEWED BY _____ DATE 11.26

P. O. BOX 366
BUFFALO, NY 14240

Stanford Seed

MUDDY CREEK ROAD
DENVER, PA 17517

11-19

CANONIE MIXTURE

PURE SEED		GERMINATION + H.S.
63.85%	RED FESCUE-CREEPING TYPE CANADA ORIGIN	95%
25.30%	PERENNIAL RYEGRASS	90%
8.99%	WHITE CLOVER	85% + 0%
	VARIETY NOT STATED-NEW ZEALAND ORIGIN	
1.00%	INERT MATTER	
.66%	OTHER CROP SEED	
.20%	WEED SEED	

NET WT. 33#
1/2 ACRE PKG.

BROOKS FARM & HOME CENTER WELLESVILLE, NY 14895
LOT 21037-75941 TEST DATE - OCT, 1990

P. O. BOX 366
BUFFALO, NY 14240

Stanford Seed

MUDDY CREEK ROAD
DENVER, PA 17517

11-19

CANONIE MIXTURE

PURE SEED		GERMINATION + H.S.
63.85%	RED FESCUE-CREEPING TYPE CANADA ORIGIN	95%
25.30%	PERENNIAL RYEGRASS	90%
8.99%	WHITE CLOVER	85% + 0%
	VARIETY NOT STATED-NEW ZEALAND ORIGIN	
1.00%	INERT MATTER	
.66%	OTHER CROP SEED	
.20%	WEED SEED	

NET WT. 33#
1/2 ACRE PKG.

BROOKS FARM & HOME CENTER WELLESVILLE, NY 14895
LOT 21037-75941 TEST DATE - OCT, 1990

P. O. BOX 366
BUFFALO, NY 14240

Stanford Seed

MUDDY CREEK ROAD
DENVER, PA 17517

11-19

CANONIE MIXTURE

PURE SEED		GERMINATION + H.S.
63.85%	RED FESCUE-CREEPING TYPE CANADA ORIGIN	95%
25.30%	PERENNIAL RYEGRASS	90%
8.99%	WHITE CLOVER	85% + 0%
	VARIETY NOT STATED-NEW ZEALAND ORIGIN	
1.00%	INERT MATTER	
.66%	OTHER CROP SEED	
.20%	WEED SEED	

NET WT. 33#
1/2 ACRE PKG.

BROOKS FARM & HOME CENTER WELLESVILLE, NY 14895
LOT 21037-75941 TEST DATE - OCT, 1990

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 19, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	6:41 / 7:27	7:53 / 11:20	11:37/
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:59 / 7:58	2:30 / 3:37	
C-10 C. Carrow	/	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	6:23 / 7:14	3:51 / 4:19	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	6:35 / 6:43	7:00 / 7:15	7:50/8:08 8:43/8:51 11:35/11:42
C-16 S. Hunt	6:39 / 6:43	7:00 / 7:14	8:43/8:51 3:21/4:12 4:36/5:30
C-17 P. Smith	/	/	
C-18 R. Bartles	6:59 / 7:58	2:30 / 3:37	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:47 / 11:13	12:05 / 3:5[illegible] 4:55/	
E-2 T. Granger	/	/	
E-3 S. Stiles	12:05 /	/	
E-4 C. Swann	6:55 / 1:09	1:44 /	
E-5 R. Colleton	/	/	
S-6 J. Lane	7:04 / 9:01	9:26 / 1:00	1:53/5:12
~~A-1~~ S-8 D. Simpedian	12:18 / 3:14	3:33 / 3:51	4:35/
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3 M. Hrywnak	10:05 / 1:30	/	
C/E-4	/	/	
S-1 Jon Palmer	10:48 / 11:06	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	6:00 / 12:00	/	
S-4 T. Cobb	1:57 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 19, 1996

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	/	/	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	/	/	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	2:51/2:53	3:21/4:12 4:38/6:02	
C-16 S. Hunt	/	/	
C-17 P. Smith	/	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 19, 1990

No./Name		Time In/Out	Time In/Out	Remarks
A-3	D. Rall	6:30/12:20	12:47/6:07	
A-8	M. Miller	6:30/8:56	9:39/10:48 3:42/3:50 4:08/6:07	
A-4	J. Facio	7:00/12:20	12:47/5:14	
A-5	J Lovewell			
C/E-7	A. Gonzales	7:00/5:12		
C/E-8	S. St. Martin	7:00/12:20	12:47/5:14	
E-6	N. Durovich	6:30/1:13	1:58/6:10	
C/C-3	D. Tingue			
C/C-4	R. Crooks			
Rupp Rental		9:30/10:27		
Tom Gowan C-20		9:38/11:06		Beam Clean
Adams Septic Service		10:19/10:45		
UPS		10:24/10:28		
Charlie Baker		10:46/11:55	3:50/3:53 4:02/4:10	
Dan Waefinger		10:55/2:21		Empire Soils
J. Hoff		11:12/5:14		O/H/M
Pattons Busy Bee		1:52/2:10		
Fed Ex		1:55/2:05		3pc. pickup
[redacted]s Rick Scutt		4:33/5:05		Shorts o/Co.
P. Porter				Still working
G. Stiles				
S. Stiles				
C. Swann				
D. Simpadian				

RECEIVED

NOV 2 7 1990

SINCLAIR REFINERY SITE

DIKE EXTENTION EBASCO / ARCO

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-19-90 DAY: MON HRS.WRK. 10 REPORT NO. 38

WEATHER INFORMATION:

TEMPATURE: High____ Low____ WIND: Mph.____ Dir.____

PRECIPITATION: Ø HUMIDITY:____

PERSONNEL: NON-MANUAL EBASCO. C.M.____ OHM. P.S. HOFF, JW

F.E/I____ P.M.____

H&SO____ HOP DUROVICH, N

C/SE____ "____

P.M.____ "____

HOP____

"____

"____

ARCO P.M.____

OTHERS____ SUB. Ayers Eng

"____ SUPV. 1 EMPS 1

USCOE/EPA____ SUB.____

"____ SUPV.____ EMPS____

VISITORS____

MANUAL OHM Gen. Labor 2 Equip. oper. 3

Truck drivers____ Others____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
	PC400 / 8	2		
	D5BP / 5	5		
	D37P / 3	7		
Dump Trk.	3	7		
Others				
Deon	Ø	10		
"				
"				
"				

MEETINGS:

PLAN OF DAY Prepare For Import of Clay Fill
EXCAV Key Trench(s) (2)
Coordinate SUB-CONTR, Supply, Rental EQPT

SAFETY Slips, Trips, Falls
Cold WEATHER ops
TASKS AT HAND

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

DIKE CONSTRUCTION

TOE TRENCH

Rip Rap

OTHER: misc. Landclearing, EXCAV (1) Key Trench / B'fill / Compact

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	_____
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	_____	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAY	CY	_____	EQUIP. FUEL&LUBE	GAL	_____
MISC.	___	_____	MISC.	___	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED		DECON CERTS.	APPROVED BY
CAT SF Compactor	YES ✓	NO_____	NO	[illegible]
_____	YES_____	NO_____	_____	_____
_____	YES_____	NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
NONE	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

TECHNICAL CONCERNS/PROBLEMS:

N/A

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"	07	150
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1	NONE				
2					

Accident/Breeches Report: N/A

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 18, 1990

Sunday

28 degrees last night.

No work scheduled for today. I checked site at 8:00 a.m. Everything ok.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 18, 1990

Arrived at:1:30 p.m. to 5:30 p.m.

Inspected east and west dike grading.

Cut and assembled test fill riser pipes.

Reviewed soil test and settlement data.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 17, 1990

Arrived at 6:30 am
Plan of Day:
Canonie
* Fine grade east bank.
* Hydro seed and mulch east bank.
* Demobe equipment.

OHM
* Complete shaping of wastepile.
* Decon O/E backhoe.
* Set up to place HDPE.
* Start clearing and grubbing for dike extension.

Hittman
* Demobe equipment

OHM started dike extension work.

Moved Otis Eastern hoe back through fence at 4:00 p.m.

Discussed sample results with Tom G. He said to go ahead and tell OHM to start dike extension and he would clear with EPA Monday.
Called Mark K., OHM, and told him to start.

Pete P., Canonie, asked me to sign FCR 13 before they do any more work at the common fill area. I told him I agreed with the equipment operator and reasonable mark up, but I would not agree to the job site overhead. So, I would not sign it. Joe Mihm called about FCR 13. I told him the same thing. Pete said they would complete work and Dave D. would handle the FCR.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 17, 1990

Plan of Day:
On site at 7:00 a.m.

Canonie
* Perform final grading behind east dike as far as Sta. 5+50 and seed and mulch.

OHM
* Decon loader and two heavy haulers in preparation for demobe.
* Track walk storage pile with small Komatzu.

Field Observations and Activities
* Canonie graded, seeded and mulched east side areas.
* Deconned water truck and backhoe in preparation for removal off site.

OHM
* Trackwalked storage pile with D-4 Komatzu.
* Removed buried timbers and mats from SLA and carried to storage area.
* Moved roll geomembrane to north end test fill.
* Commenced clearing with backhoe of dike extension area.

Meyer
* Shot settlement plates and completed sectioning of SLA.

Hittman/EBASCO
* Ran samples in on-site lab.

Left site at 6:30 p.m.

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 16, 1990

Arrived at 6:15 a.m.
Plan of Day:

Canonie
* Fine grade inside slope - east bank.
* Fine grade east bank.
* Hydro seed east bank.

OHM
* Construct test fill.
* Fine grade waste pile
* Fine grade SLA excavation

Meyers
* Cross section SLA excavation.
* Check settlement plates.

EBASCO Tech.
* Complete SLA soil samples.
* Monitor air quality.

Hittman
* Complete testing of SLA samples.

Talked with John Lane and Ned. Told them we will not need anyone for sampling after today, and would not need H&S after the liners are in place. So, they should remove anything that is not needed for this site.

Asked Roy C, Hittman, to remove everything after today.

Allan M. brought two FCR's. One for dewatering east bank and one for removing the mud on the west bank. I told him we will not agree to either one, as I had not authorized the work. He said they were entitled to collect for it anyway. I told him he was wrong.

I told Pete P., Canonie, to get the proper release from Harold Short or stop working on his property. He said he would.

OHM completed fine grading of SLA and construction of Test Fill. OHM decontaminated the track loader, and two heavy haulers. I inspected them and released them.

EBASCO Techs completed soil sampling at SLA.

Hittman completed soil sample testing.

Talked with Bill of Alfred Atlas, they will be closed until Tuesday for deer season.

RECEIVED
NOV 2 6 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11/17/90 DAY: SAT. HRS.WRK. 10 REPORT NO. 37
WEATHER INFORMATION:
TEMPATURE: High_____ Low_____ WIND: Mph._____ Dir._____
PRECIPITATION:_____ HUMIDITY:_____
PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____
F.E/I Ø SUPT._____
H&SO 1 ENG._____
C/SE 1 LABOR_____
P.M. Ø OPER._____
HOP 1 OTHER_____
" _____ SUB._____
" _____ SUPT._____
ARCO P.M._____ ENG._____
OTHERS _____ LABOR_____
" _____ OPER._____
USCOE/EPA 1 OTHER_____
"
VISITORS HITTMAN EBASCO - 1
SURVEYOR D MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe		SEE		
Back Hoe				
Compactor				
Compactor		OHM		
Dump Trk.				
Dump Trk.				
Others		REPORT		
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY OHM: REMOVE LOGS REMAINING WITHIN SLA EXCAVATION & COMPLETE EXCAVATION OF SLA
EBASCO: OBTAIN SOIL SAMPLES
S. MYERS: PLACE SAMPLING STAKES

SAFETY FOLLOW INSTRUCTIONS OF HRS OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION NONE

SLA EXCAVATION: SEE OHM

WASTEPILE CONSTRUCTION: SEE OHM

OTHER: SEE CANONIE

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	0	TESTFILL CONST.	CY	0
			AGGREGETES	TON	
			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
SLA EXCAVATION			BEDDING MATERIAL	TON	
GEOWASTE MATERIAL	CY	0	GEOTEXTILE FAB	SY	
CANTAMINATED WASTE	CY		CAYMAX	SY	
CLEAN →	CY		GEOMEMBRANE	SY	
MISC.	CY		MISC.		
MISC.			"		
			"		
			"		
			"		

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMAMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	
MISC.			MISC.		
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.				

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		
	YES NO		

SAMPLING & ANALYSIS ACTIVITIES:

ECI- 11/17/90

REPORT NUMBERS

SEE OHM Attached report required by Contract document

" " " " " "

" " " " " "

" " " " " "

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SOME ROD CRITERIA SAMPLES ANALYZED HAVE METALS SLIGHTLY ABOVE THE ACCEPTABLE LIMIT

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod		
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1

2

Accident/Breeches Report:

RECEIVED
NOV 26 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE
PARTIAL RIVER CHANNELIZATION PROJECT
WELLSVILLE, NEW YORK
DAILY REPORT

DATE: 11-17-90 DAY: Saturday HRS.WRK. 10 REPORT NO. 131

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. — Dir. —

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM — PM —

PERSONNEL: NON MANUAL EBASCO. C.M. 1 CANONIE. P.S. ____

	F.E/I 1	R.E.	
	H&SO 1	P.E. 1	
	C/SE	QCM	
	P.M.	H&SO	
	HOP 3	P.M.	
	"	P.SEC 1	
	"	HOP	
ARCO	P.M.	"	
OTHERS		CANONIE SUB.	
"		SUPV. ____ EMPS.	
USCOE/EPA	3	SUB.	
"		SUPV. ____ EMPS.	
VISITORS	See Security log		

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 4

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	4			
" 963	Released			
" D-6	8			
Hydro Seeder	8			
" 12G	4	Stand-by		
(Sheep) Compactor	Released			
(Smooth) "	4	Stand-by		
Canonie Wtr. Trk	Offsite	for Repairs		
Hertz Wtr. Trk	4	standby		
(E. Bank) Cat 235	Released			
Komatsu PC 200	0			
Generator/Steam Gang		Standby		
Vacuum Pump				
Mechanical Trencher				

MEETINGS:

PLAN OF DAY Clean & Wash 235 Hoe Prepare E. Bank for seeding and start seeding if possible

SAFETY Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK

EAST BANK #707 (Topsoil & Seed E. Bank Area)

RIVER (Any activity performed in water or gravel bar)

OTHER: #803 (Asbestos Containing)

MATERIALS HANDLED: None

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		"		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL.

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE:

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY
815 B Compactor	Yes	No	
Released to OHM			

FIELD ENGINEERING ACTIVITIES: (surveyors)

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	18+00	A-10	Seeding		X	
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS Limed & Back Acea sta 8+00 - 18+25

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

COMMENTS

TECHINICAL CONCERNS/PROBLEMS: None

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

E1, E-3, E4 C-2 C-3 still onboard November 17, 1990

Cobb FF

Daily Progress Report

Canonie Environmental
500 N. Gulph Road - Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CLIENT: ARCO | DATE: 11-17-90

CLIENT: Sinclair Refinery, Wellsville | PE/PS:

JOB NO: 88-093 | LOCATION OF WORK: E. Bank

ACTIVITY: E. Bank

#707 (Topsoil & Seed E. Bank Area)
- Dressed E. Bank area Sta 8+00 - 18+75 and the area is Ready for Seeding.
- Lined E. Bank Area Sta 8+00 - sta 18+75
- Seeded sta 18+00 - 18+75

OTHER:

#803 (Demobilize Equipment)
Cleaned and Washed 235 Hoe & 815 B Compactor

Released 815 B Compactor to OHM

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-10
SHEET ____ OF ____
INSPECTION DATE 11-17-90

SEEDS AND FERTILIZERS

E. Bank

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH SPECIFICATION REQUIREMENTS.	X		
- SEEDS ARE DRY AND FREE OF DAMAGE.	X		
- FERTILIZER IS FREE OF MOISTURE AND LUMPS.	X		
2. PLACEMENT			
- AREA RECEIVING SEEDS AND FERTILIZERS IS SCARIFIED OR LOOSE, AND FREE OF STONES LARGER THAN 6 INCHES.	X		
- PLANTING SEASON IS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND ACCEPTED BY CONSTRUCTION MANAGER.	X		
3. VERIFICATION TESTING			
- 1 TEST SAMPLE FOR EVERY 200 LBS. OF SEED MIXTURE OR 1 SAMPLE FROM EACH LOT WHICHEVER GOVERNS IS TAKEN AND SENT FOR TESTING.	X		
- TEST RESULTS MEET OR EXCEED THE REQUIREMENTS OF THE SPECIFICATIONS.	X		

4. REMARKS _____

INSPECTOR _____ DATE 11-21-90

REVIEWED BY _____ DATE 11.26

P. O. BOX 366
BUFFALO, NY 14240

Stanford Seed

MUDDY CREEK ROAD
DENVER, PA 17517

11-17

E MIXTURE
SEED

85%	RED FESCUE-CREEPING TYPE CANADA ORIGIN	GERMINATION + H.S.	95%
30%	PERENNIAL RYEGRASS		90%
99%	WHITE CLOVER		85% + 0%
	VARIETY NOT STATED-NEW ZEALAND ORIGIN		
1.00%	INERT MATTER		
.66%	OTHER CROP SEED		
.20%	WEED SEED		

NET WT. 33#
1/2 ACRE PKG.

BROOKS FARM & HOME CENTER WELLESVILLE, NY 14895
LOT 21037-75941 TEST DATE - OCT, 1990

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 17, 1990

No./Name	Time In/Out	Time In/Out	Remarks	
C-1 D. Dekker	/	/		
C-2 L. Dekker	6:56 / 6:10	/		
C-3 P. Porter	6:45 / 11:30	12:34 / [redacted] 3:08	3:28 /	
C-4 A. Muellerleile	/	/		
C-5 C. Ettinger	/	/		
C-6 F. Gontowski	/	/		
C-7 C. Chang	/	/		
C-8 J. App	/	/		
C-9 G. Lazusky	/	/		
C-10 C. Carrow	/	/		
C-11 B. Mckim	6:28 / 7:19	7:42 / 7:45	9:00 / 9:16	10:21 / 10:46
C-12 C. Mckim	6:34 / 7:19	5:58 / 6:00		
C-13 G. Reid	/	/		
C-14 N. Tracy	/	/		
C-15 G. Maichele	6:34 / 6:39	6:53 / 7:37	9:00 / 9:16	9:57 / 1:04
C-16 S. Hunt	6:37 / 6:39	6:53 / 7:37	10:21 / 12:09	12:44 / 1:03
C-17 P. Smith	/	/		
C-18 R. Bartels	/	/		
C-19	/	/		
C-20	/	/		
E-1 G. Stiles	6:35 / [redacted] 11:46	12:37 / 2:30	3:22 / 4:19	5:10 /
E-2 T. Granger	[redacted] /	/		
E-3 S. Stiles	12:37 /	/		
E-4 C. Sudra	7:00 / [redacted] 10:07	10:48 / 11:57	1:25 / [redacted] 3:58	[redacted]
E-5 R. Colleton	9:25 / 12:00	12:26 / 12:46		
E-6 J. Lane	6:57 / 9:30	10:16 / 12:00	12:26 / 3:15	3:45 / 5:00 4:50 / 6:06
A-1 [redacted] S-8 P. Simpadian	7:24 / 8:50	9:52 / 10:29	11:00 / 11:57	
A-2	/	/		
A-4	/	/		
C/E-1 D. Stubbs	/	/		
C/E-[redacted]m HRWYNAK	10:04 / 12:09	/		
C/E-3 P. COLANSKI	/	/		
C/E-4	/	/		
S-1 Jon Palmer	/	/		
S-2 A. Palmer	/	/		
S-3 Jerry Palmer	/	/		
S-4 T. Cobb	/	/		
S-5 A. Fox	6:00 / 6:30	/		
S-6	/	/		

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 17, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	/	/	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	12:45 / 1:03	3:21 / 3:30	5:59 / 6:00
C-12 C. Mckim	[redacted]	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	4:56 / 4:58	5:30 / 6:00	
C-16 S. Hunt	1:30 / 1:34	4:56 / 4:58	5:09 / 5:10 5:30 / 6:00
C-17 P. Smith	/	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4	/	/	
E-5	/	/	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 7, 1990

No./Name	Time In/Out	Time In/Out	Remarks
A-3 D. RALL	6:32 / 12:10	12:51 / 3:46	3:57 / 5:48
A-8 M. MILLER	6:32 / 12:10	12:51 / 5:48	
A-4 J. FACIO	6:42 / 12:10	12:52 / 5:02	
A-5 J. LOVEWELL	6:42 / 12:10	12:52 / 5:02	
E-7 A. GONZALES	6:42 / 12:10	12:52 / 5:02	
E-8 S. ST MARTIN	6:42 / 12:10	12:52 / 5:02	
E-6 N. DUROVICH	6:32 / [redacted] 2:47	[redacted] 3:24 /	
E-3 D. TINGUE	7:00 / 11:13		
C-4 R. CROOKS	7:00 / 11:13		
BOB UNGERMAN	11:02 / 11:30		
CHARLIE BAKER	3:19 / 3:47		

RECEIVED
NOV 2 7 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION; TESTFILL CONSTRUCTION AND DIKE EXTENSION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-17-90 DAY: 37 HRS.WRK. 10 REPORT NO. 37

WEATHER INFORMATION:
TEMPERATURE: High___ Low___ WIND: Mph.___ Dir.___
PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO C.M._____ OHM.P.S 10
F.E/I_____ P.M. 2
H&SO_____ HOP _____
C/SE_____ " _____
P.M._____ " _____
HOP_____
"_____
"_____
ARCO P.M._____
OTHERS_____ SUB. Douglas c myers surveyor
"_____ SUPV. 1 EMPS 1
USCOE/EPA_____ SUB. _____
"_____ SUPV.____EMPS____
VISITORS_____

MANUAL OHM Gen. Labor _____ EQUIP. OPER._____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
D58P Dozer	8	2		
837P Dozer	6	2		
C400 Back Hoe	8	2		
215 Back Hoe	/	/		
SF Compactor	/	/		
SDV Compactor	/	/		
END Dump Trk.	2	8		
Dump Trk.	2	8		
Others				
"				
"				

PAGE 1 OF_____

MEETINGS:

PLAN OF DAY Level waste pile to make suitable for liner Deere 4k trucks (2), Otis Anderson's excavator, and Baker's Dresser. Surveyors lay out dike alignment. clear and grub for extension, put up silt fence.

SAFETY 7:00 AM Safety meeting

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

→ SLA ~~EXCAVATION~~ BACKFILL:

WASTEPILE CONSTRUCTION: Level wastepile for liner preparation.

DIKE EXTENSION

OTHER: Dike extension preperation: clear and grub. Survey clearing limits

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	1/4	TESTFILL CONST.	CY	
			AGGREGATES	TON	
EXCAVATION			SETTLEMENT PLATES	EA	
			OBSERVATION WELLS	EA	
			GEOTEXTILE FAB	SY	
			BEDDING MATERIAL	TON	
GEOWASTE MATERIAL	CY		GEOTEXTILE FAB	SY	
CONTAMINATED WASTE	CY		CLAYMAX	SY	
CLEAN Topsoil Stock Piled.	CY	350	GEOMEMBRANE	SY	
SLA	CY		CLAY	CY	
TOE TRENCH	CY		COMMON FILL	CY	
KEY TRENCH	CY		RIPRAP	TON	
RIPRAP	TON		MISC.	___	

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA		GEOTEXTILE FAB	SY	
OBSERVATION WELLS	EA		BEDDING MATERIAL	CY	
AGGREGATES	CY		GEOMEMBRANE	SY	
CLAYMAX	CY		EQUIP. FUEL&LUBE	GAL	
CLAY	___		MISC.	___	
COMMON FILL	___		MISC.	___	
RIPRAP	___		MISC.	___	

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

_____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.	___			

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED		DECON CERTS.	APPROVED BY
	YES	NO		
	YES	NO		
	YES	NO		

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____	Attached	report	required	by	Contract	document
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"
_____	"	"	"	"	"	"

COMMENTS _____

TECHINICAL CONCERNS/PROBLEMS:

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:		
"D"mod	7	70
"D"		
"C"		
"B"		
OTHER		

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out: 2 u.k. trucks, Excavator, Dresser

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:

No.	Time	Location	Emp.No./Equip.No.	Injury/damage	Response
1					
2					

Accident/Breeches Report:_____

ARCO WELLSVILLE
CONSTRUCTION MANAGEMENT
DAILY REPORT
November 16, 1990

Arrived at 6:50 a.m.

Plan of Day:

Canonie

* Received Alfred Atlas pit run as common fill on east bank.
* Grade east bank common fill area.
* Roll roadway aggregate.

OHM

* Perform final excavation of visually contaminated SLA material and push to storage area.
* Complete first stage of test fill in sections 1, 2, and 3.

Field Observations and Activities:

Canonie

* Spread pit run gravel stockpiled along dike and graded to drain. Need additional pit run to complete.

OHM

* Cleaned out last remnants of visually contaminated SLA material with dozer push, using both 4 and 6. Pushed to backhoe at storage pile which placed material in pile.
* Attempted tracking and grading of pile for installation of membrane cover. D6 dozer rutted deeply.
* Following completion of SLA removal dozer and both backhoes moved to test fill area where stage 1 material was placed in a single 2' lift by leap frogging with backhoe. (Dozer feeds first backhoe which feeds 2nd backhoe.) This was the only feasible way since material was too soft for hauling with Rupp-Komatsu heavy haulers.
* Placement of test fill to $\pm$ 4' height (including gravel) was completed approximately 3:00 p.m. Attempted tracking compaction with wide track dozer. But material rutted deeply under tracks and tended to displace settlement plate risers. Abandoned attempts at track compaction after observing potential for damage to instruments.

Meyer

* Shot in settlement plates prior to installation of the additional fill.
* Sectioned completed excavation in SLA for pay quantities. Restored grid stakes to assist sampling effort.

Hittman - EBASCO

* Ram samples in on-site lab.

Left site at 6:00 p.m.

RECEIVED
NOV 19 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: EBASCO CONSTRUCTORS, INC.

DATE: 11-16-90 DAY: FRI HRS.WRK. 10 REPORT NO. 36

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M. 1 SUB._____

F.E/I Ø SUPT._____

H&SO 1 ENG._____

C/SE 1 LABOR_____

P.M. Ø OPER._____

HOP 2 OTHER_____

" _____ SUB._____

" _____ SUPT._____

ARCO P.M. Ø ENG._____

OTHERS Ø LABOR_____

" _____ OPER._____

USCOE/EPA Ø OTHER_____

" _____

VISITORS_____

SURVEYOR Doug MYERS - 2

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Dozer				
Dozer				
Back Hoe		SEE		
Back Hoe				
Compactor				
Compactor		OHM		
Dump Trk.				
Dump Trk.				
Others		REPORT		
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY OHM: PLACE FILL ON THE TEST FILL; COMPLETE SLA EXCAVATION; SHAPE WASTEPILE
DOUG MYERS - PLACE SAMPLING STAKES IN SLA EXCAVATION
CHECK ELEVATION OF SETTLEMENT PLATES
EBASCO = OBTAIN SOIL SAMPLES, HITTMAN: ANALYZE SOIL SAMPLES

SAFETY FOLLOW INSTRUCTIONS OF H&S OFFICER

SCHEDULED NONE

UN-SCHEDULED NONE

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION PLACED FILL (1ST 3 FEET) IN SECTIONS 1, 2 and 3.

SLA EXCAVATION: SEE OHM
COMPLETED SLA EXCAVATION

WASTEPILE CONSTRUCTION: SEE OHM

OTHER: SEE CANONIE

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.
CLEARING BRUSH	ACRE	0
SLA EXCAVATION		
GEOWASTE MATERIAL	CY	0
CANTAMINATED WASTE	CY	50
CLEAN	CY	0
MISC.	CY	0
MISC.	___	0

TYPE	UNIT	EST.QTY.
TESTFILL CONST.	CY	
AGGREGETES	TON	0
SETTLEMENT PLATES	EA	0
OBSERVATION WELLS	EA	0
GEOTEXTILE FAB	SY	0
BEDDING MATERIAL	TON	0
GEOTEXTILE FAB	SY	0
CAYMAX	SY	0
GEOMEMBRANE	SY	0
MISC.	___	
"	___	
"	___	
"	___	
"	___	

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	
OBSERVATION WELLS	EA	
AGGREGATES	CY	
CLAYMAX	CY	
MISC.		
MISC.		

TYPE	UNIT	EST.QTY.
GEOTEXTILE FAB	SY	
BEDDING MATERIAL	CY	
GEOMAMBRANE	SY	
EQUIP. FUEL&LUBE	GAL	
MISC.		
MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL.

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS			
SANITARY WASTE	GALS			
DEBRI	TON			
USED OIL/LUBE.	GAL			
MISC.	___			

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED	DECON CERTS.	APPROVED BY
	YES___NO___		
	YES___NO___		
	YES___NO___		
	YES___NO___		
	YES___NO___		
	YES___NO___		

SAMPLING & ANALYSIS ACTIVITIES:

ECI- 11/16/90

REPORT NUMBERS

SEE OHM REPORT _____ Attached report required by Contract document

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	_____	_____
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCIDENTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

_____

_____

_____

_____

_____

RECEIVED
NOV 19 1990
EBASCO / ARCO

SINCLAIR REFINERY SITE

SLA RELOCATION AND TESTFILL CONSTRUCTION

WELLSVILLE, NEW YORK

DAILY REPORT BY: OHM CORPORATION

DATE: 11-16-90 DAY: Fri HRS.WRK. 10 REPORT NO. 36

WEATHER INFORMATION:

TEMPATURE: High_____ Low_____ WIND: Mph.____ Dir.____

PRECIPITATION:_____ HUMIDITY:_____

PERSONNEL: NON-MANUAL EBASCO. C.M._____ OHM. P.S. 1

F.E/I_____ P.M._____

H&SO_____ HOP_____

C/SE_____ "_____

P.M._____ "_____

HOP_____

"_____

"_____

ARCO P.M._____

OTHERS_____ SUB._____

"_____ SUPV.____ EMPS____

USCOE/EPA_____ SUB._____

"_____ SUPV.____ EMPS____

VISITORS_____

MANUAL OHM Gen. Labor 1 Equip. oper. 3

Truck drivers 2 Others_____

EQUIPMENT:	OPERATED(hrs)	IDLE/STAND-BY	DOWN	MISC.INFO.
Truck hoe	9	1		
"	9	1		
D6	9	1		
D3	9	1		
Dump Trk 2	9	1		
Others				
"				
"				
"				
"				

MEETINGS:

PLAN OF DAY Fill test pad 3' lift.
~~unsuitable material in front of dike extension~~
Dozer dresser and trucks

SAFETY 07:00 - 07:30

SCHEDULED

UN-SCHEDULED

(Reference and attach aditional pages if necessary)

ACTIVITIES:(Reference schedule activity number that relates)

TESTFILL CONSTRUCTION

SLA EXCAVATION: 50 cy

WASTEPILE CONSTRUCTION: 50 cy.

OTHER:

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST.QTY.
CLEARING BRUSH	ACRE	_____	TESTFILL CONST.	CY	
			AGGREGETES	TON	_____
			SETTLEMENT PLATES	EA	_____
			OBSERVATION WELLS	EA	_____
			GEOTEXTILE FAB	SY	_____
EXCAVATION			BEDDING MATERIAL	TON	_____
GEOWASTE MATERIAL	CY	_____	GEOTEXTILE FAB	SY	_____
CANTAMINATED WASTE	CY	_____	CAYMAX	SY	_____
CLEAN	CY	_____	GEOMEMBRANE	SY	_____
SLA	CY	_____	MISC.	___	_____
MISC.	___	_____	"	___	_____
			"	___	_____
			"	___	_____
			"	___	_____

MATERIALS RECEIVED:

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
SETTLEMENT PLATES	EA	_____	GEOTEXTILE FAB	SY	_____
OBSERVATION WELLS	EA	_____	BEDDING MATERIAL	CY	_____
AGGREGATES	CY	_____	GEOMAMBRANE	SY	_____
CLAYMAX	CY	_____	EQUIP. FUEL&LUBE	GAL	1285
MISC.	____	_____	MISC.	____	_____

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATERIAL._____

_____

_____

MATERIALS LEAVING SITE:

DESCRIPTION	UNIT	EST.QTY.	CONTAMINATED	INSPECTED BY
TRASH	LBS	_____	_____	_____
SANITARY WASTE	GALS	_____	_____	_____
DEBRI	TON	_____	_____	_____
USED OIL/LUBE.	GAL	_____	_____	_____
MISC.	___	_____	_____	_____

EQUIPMENT ENTERING SITE:

DESCRIPTION	INSPECTED		DECON CERTS.	APPROVED BY
_____	YES_____	NO_____	_____	_____
_____	YES_____	NO_____	_____	_____
_____	YES_____	NO_____	_____	_____

SAMPLING & ANALYSIS ACTIVITIES:

REPORT NUMBERS

_____ Attached report required by Contract document

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

_____ " " " " " "

COMMENTS _____

_____

_____

_____

TECHINICAL CONCERNS/PROBLEMS:

_____

_____

_____

_____

HEALTH & SAFETY

ACTIVITY PROTECTION LEVELS:

Level	Number of Employees	Total manhours exposed
CLEAN:	_____	_____
"D"mod	_____	_____
"D"	_____	_____
"C"	_____	_____
"B"	_____	_____
OTHER	_____	_____

DECONTAMINATION REQUIREMENTS:

Personnel: Emps. In:_____ Emps. Out:_____

Equipment: In:_____ Out:_____

Venders Equipment: In:_____ Out:_____

ACCUDEBTS/BREECHES OF PROCEDURES:

No. Time Location Emp.No./Equip.No. Injury/damage Response

1 _____

2 _____

Accident/Breeches Report:_____

_____

_____

SINCLAIR REFINERY SITE

PARTIAL RIVER CHANNELIZATION PROJECT

WELLSVILLE, NEW YORK

RECEIVED

NOV 2 7 1990

DAILY REPORT

DATE: 11-16-90 DAY: Friday HRS.WRK. 10 REPORT NO. EBASCO 13 ~~ARCO~~

WEATHER INFORMATION:

TEMPERATURE: High ____ Low ____ WIND: Mph. ____ Dir. ____

PRECIPITATION: ____ HUMIDITY: ____ RIVER EL: AM 5.34 PM ____

PERSONNEL: NON MANUAL EBASCO C.M. 1 CANONIE P.S. ____

	F.E/I 1	R.E. 1	
	H&SO 1	P.E. 1	
	C/SE ____	QCM ____	
	P.M. ____	H&SO ____	
	HOP 3	P.M. ____	
	" ____	P.SEC 1	
	" ____	HOP ____	
ARCO	P.M. ____	" ____	
OTHERS	____	CANONIE SUB. App Surveyors	
"		SUPV. ____ EMPS. 2	
USCOE/EPA	3	SUB. ____	
"	____	SUPV. ____ EMPS. ____	

VISITORS See Security log

MANUAL CANONIE GEN. Labor ____ Equip. Oper. 4

Truck Drivers ____ Others ____

EQUIPMENT:	OPERATED (hrs)	IDLE/STAND-BY	DOWN	MISC. INFO.
Cat 235	____	Stand by	____	____
" 963	Released	____	____	____
" D-6	10	____	____	____
Hydro Seeder	8	____	____	____
" 12G	8	____	____	____
(Sheep) Compactor	____	Stand by	____	____
(Smooth) "	____	Stand by	____	____
Canonie Wtr. Trk	Off site	for Repairs	____	____
Hertz Wtr. Trk	____	Stand by	____	____
(Ebasco) Cat 235	Released	____	____	____
Komatsu PC 200	3	____	____	____
Generator/Steam Cleaner	____	Stand by	____	____
Water pump	____	____	____	____
Mechanics Truck	____	____	____	____

MEETINGS:

PLAN OF DAY Hydroseed E. Bank Cut Area
Work on Common Fill Area spreading imported Fill
Track walk W. Bank Dike Slope.

SAFETY Good Construction Practices

SCHEDULED

UN-SCHEDULED

(Reference and attach additional pages if necessary)

ACTIVITIES: (Reference schedule activity number that relates)

SUPPORT AREA

WEST BANK Final Graded Remaining areas.
Track walk inside Slope of Dike

EAST BANK # 702 (Backfill E. Bank Common Fill Area)
707 (Topsoil and Seed E. Bank Areas)

RIVER (Any activity performed in water or gravel bar)

OTHER

MATERIALS HANDLED:

TYPE	UNIT	EST. QTY.	TYPE	UNIT	EST. QTY.
CLEARING DEBRIS	ACRE		KE TRENCH WST.	CY	
GRUBBING DEBRIS	ACRE		COMMON FILL	CY	
TOPSOIL STRIPPING			PIT RUN FILL	CY	
NON-CONTNTD	CY		CLAY FILL	CY	
CONTNTD	CY		GEOTEXTILE FAB	SY	
EXCAVATION			BEDDING MATRL	CY	
WASTE MATRL.	CY		RIP-RAP MATRL.	TON	
OIL STAIND	CY		ROAD AGGRTS	SY	
CLEAN	CY		SEED & MULCH	SY	
EAST BANK	CY		MISC.		
MISC.	CY		" Pit Run (T&M for Ebasco)		
TOE TRENCH EXCAV.			"		
CLEAN MATRL.	CY		"		
WASTE MATRL.	CY		"		

MATERIALS RECEIVED: None

TYPE	UNIT	EST.QTY.	TYPE	UNIT	EST.QTY.
TOPSOIL	CY		GEOTEXTILE FAB	SY	
COMMON FILL	CY		BEDDING MATRL.	CY	
PIT RUN FILL	CY		RIP-RAP MATRL.	TON	
CLAY FILL	CY		ROAD AGGRTS.	TON	
MISC.			MISC.		

REFERENCE TEST REPORTS/VENDOR CERTS. FOR EACH MATRL. _____

MATERIALS LEAVING SITE: None

DESCRIPTION	UNIT	EST. QTY.	CONTAMINATED	INSPTD. BY
TRASH	LBS			
SANITARY WSTE.	GALS			
DEBRIS	TON			
USED OIL/LUBE.	GAL			
MISC.				
"				

EQUIPMENT LEAVING SITE: None

DESCRIPTION	INSPECTED	DECON REQ.	APPROVED BY

FIELD ENGINEERING ACTIVITIES: (surveyors)

As built Sheets on E. Bank Construction

QA/QC ACTIVITIES:

INSPECTIONS	LOCATION	TYPE	MATERIAL	RESULTS	ACCEPT	REJECT
1	E.Bank 1+75 to EOJ	A-10	Seeding		X	
2						
3						
4						
5						
6						
7						
8						
9						
10						

COMMENTS

SAMPLING &ANALYSIS ACTIVITIES: None

REPORT NUMBERS

Attach report required by Contract Document

	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪
	▪	▪	▪	▪	▪	▪

COMMENTS

TECHINICAL CONCERNS/PROBLEMS:

SECURITY ACTIVITIES:

Attach Gate log & Security report

PROBLEMS ENCOUNTERED:

DESCRIPTION _____

SCHEDULE ACTIVIY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DESCRIPTION _____

SCHEDULE ACTIVITY NO. EFFECTED _____ TIME REPORTED _____

REPORTED TO _____ RESPONSE TIME _____

RESOLUTION/RESPONSE _____

DAY SUMMERY:

No accidents or incidents to report today — November 16, 1990

Daily Progress Report

Canonie Environmental
500 N. Gulph Road • Suite 315
King of Prussia, Pennsylvania 19406
(215) 337-2551

Sheet 2

BY: Pete Porter | CLIENT: ARCO | DATE: 11-16-90

CLIENT: Sinclair Refinery, Wellsville | PE/PS:

JOB NO: 88-093 | LOCATION OF WORK: E. Bank / W. Bank

ACTIVITY: W. Bank

- Track walked inside slope of Dike and inside edge of Road.
- Final Graded Remaining areas for seeding.

E. Bank.

#702 (Backfill E. Bank Commonfill Area)

- Pushed impacted material with D-6 into final placement. for Ebasco. All Activities are based on Time & Material

T&M: 1 D-6 Dozer 4 hrs
1 operator 4 hrs

- Pumped out E. Bank Commonfill Area to Expedite pushing material into final placement.

pump w/ operator 2 hrs.

#707 (Topsoil & Seed E. Bank Areas)

Completed seeding E. Bank Cut Area
sta 18+75 to End of Job
Seed application was doubled.

(Continue items on additional sheets or attach pictures as necessary)

White Copy: Return to KOP Project File Yellow Copy: Return to KOP Project Engineer Pink Copy: Remains on Site

FORM A-10
SHEET ____ OF ____
INSPECTION DATE 11-16-90

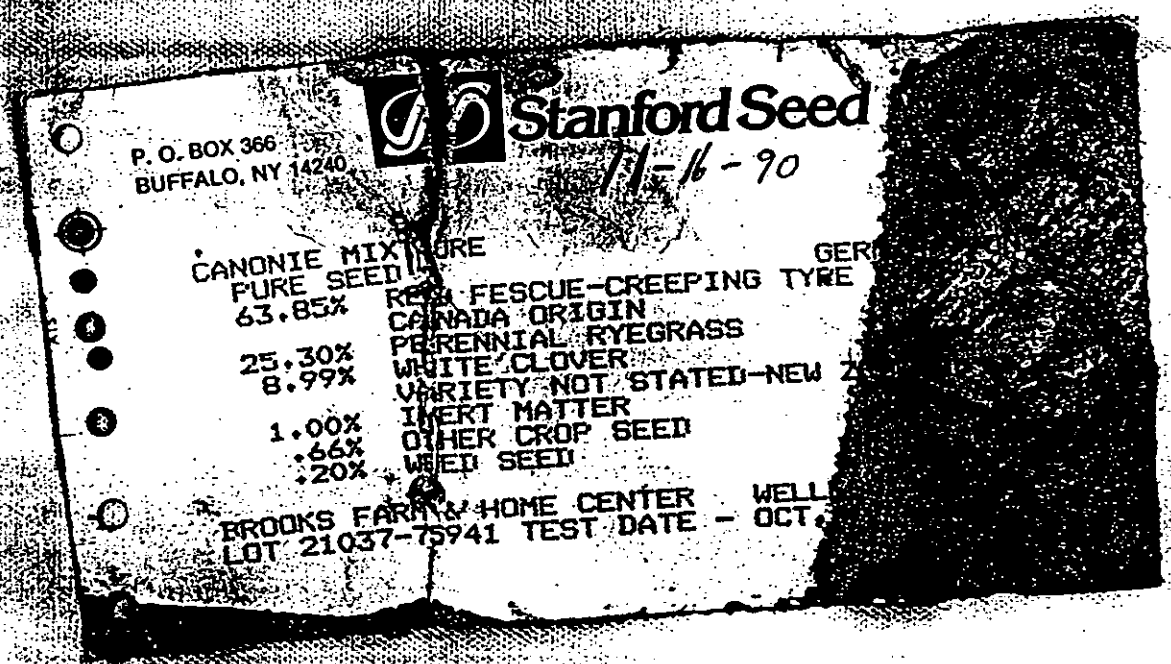
SEEDS AND FERTILIZERS

	ACCEPT	REJECT	N/A
1. MATERIAL			
- MANUFACTURER'S LABEL OR CERTIFICATE COMPLIES WITH SPECIFICATION REQUIREMENTS.	X		
- SEEDS ARE DRY AND FREE OF DAMAGE.	X		
- FERTILIZER IS FREE OF MOISTURE AND LUMPS.	X		
2. PLACEMENT			
- AREA RECEIVING SEEDS AND FERTILIZERS IS SCARIFIED OR LOOSE, AND FREE OF STONES LARGER THAN 6 INCHES.	X		
- PLANTING SEASON IS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND ACCEPTED BY CONSTRUCTION MANAGER.	X		
3. VERIFICATION TESTING			
- 1 TEST SAMPLE FOR EVERY 200 LBS. OF SEED MIXTURE OR 1 SAMPLE FROM EACH LOT WHICHEVER GOVERNS IS TAKEN AND SENT FOR TESTING.	X		
- TEST RESULTS MEET OR EXCEED THE REQUIREMENTS OF THE SPECIFICATIONS.	X		

4. REMARKS Completed lime application and seeding on E. Bank Cut area, Sta. 18+75 to End of Job

INSPECTOR Robert Porter DATE 11-19-90

REVIEWED BY MA DATE 11-26



3 bags of seed were used. The third seed spec. was not found after the seed was used. It did consist of the same mixture as noted above

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 16, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	6:56 / 5:53	/	
C-3 P. Porter	6:37 / 8:49	9:18 / 11:08	11:48/12:42 5:43/4:56
C-4 A. Muellerleile	7:22 / 9:42	9:58 / 10:20	10:34/11:13
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	6:59 / 7:47	3:25 / 3:34	
C-10 C. Carrow	/	/	
C-11 B. Mckim	6:36 / 7:17	8:18 / 8:37	9:10/9:44 11:35/11:48 12:45/1:24
C-12 C. Mckim	6:36 / 7:11	8:18 / 9:44	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	6:31 / 6:37	6:50 / 7:11	8:37/8:47 9:08/9:46 10:12/10:17
C-16 S. Hunt	6:36 / 6:37	6:50 / 7:11	8:37/8:47 9:08/9:46 10:12/10:17
C-17 P. Smith	/	/	
C-18 R. Bartels	6:59 / 7:47	3:25 / 3:34	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	6:30 / 12:06	12:41 / 1:51	2:28/5:53
E-2 T. Granger	/	/	
E-3 S. Stiles	12:41 / 5:53	/	
E-4 C. Swann	6:55 / 9:48	11:31 / 12:13	1:20/5:01 5:16/5:49
E-5 N. Kratzke	6:31 / 7:32	7:42 / 7:43	7:46/8:36 9:49/12:11 1:00/1:58
~~A-6~~ C-5 R. Colleton	8:26 / 1:10	1:55 / 4:23	
A-1 S-6 J. Lane	6:47 / 7:32	7:42 / 7:43	7:46/7:48 7:55/9:13 9:46/11:41
A-2 S-8 D. Simpadian	6:48 / 12:27	1:22 / 5:49	
A-4	/	/	
C/E-1 D. Stubbs	10:08 / 11:14	12:27 / 12:57	
C/E-2 6 M. Hrywnak	/	/	
~~C/E-3~~ P. Polanski S-9	10:08 / 10:11	10:47 / 11:19	12:27/12:57
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	12:33 / 12:35	1:03 / 1:03	
S-3 Jerry Palmer	6:00 / 2:00	2:31 / 2:35	
S-4 T. Cobb	1:44 / 6:30	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 16, 1990

No./Name	Time In/Out	Time In/Out	Remarks
C-1 D. Dekker	/	/	
C-2 L. Dekker	/	/	
C-3 P. Porter	4:58/6:02	/	
C-4 A. Muellerleile	/	/	
C-5 C. Ettinger	/	/	
C-6 F. Gontowski	/	/	
C-7 C. Chang	/	/	
C-8 J. App	/	/	
C-9 G. Lazusky	/	/	
C-10 C. Carrow	/	/	
C-11 B. Mckim	2:16/2:55	5:08/5:19	
C-12 C. Mckim	/	/	
C-13 G. Reid	/	/	
C-14 N. Tracy	/	/	
C-15 G. Maichele	11:05/11:08	11:48/11:51 12:05/12:42 1:45/1:48 3:44/5:56	
C-16 S. Hunt	11:48/11:51	12:05/12:42 3:44/5:55	
C-17 P. Smith	/	/	
C-18	/	/	
C-19	/	/	
C-20	/	/	
E-1 G. Stiles	/	/	
E-2 T. Granger	/	/	
E-3 S. Stiles	/	/	
E-4	/	/	
E-5	/	/	
S-6 J. Lane	12:02/12:11	1:00/1:15 1:20/5:03	
A-1	/	/	
A-2	/	/	
A-4	/	/	
C/E-1 D. Stubbs	/	/	
C/E-2	/	/	
C/E-3	/	/	
C/E-4	/	/	
S-1 Jon Palmer	/	/	
S-2 A. Palmer	/	/	
S-3 Jerry Palmer	/	/	
S-4 T. Cobb	/	/	
S-5 A. Fox	/	/	
S-6	/	/	

SECURITY - ARCO - WELLSVILLE
DAILY LOG FORM

Date: November 16, 1990

No./Name		Time In/Out	Time In/Out	Remarks
A-3	D. Rall	6:37/12:12	12:41/4:59 5:10/6:02	
A-8	M. Miller	6:37/12:12	12:41/6:02	
A-4	J. Facio	6:50/12:13	1:04/4:58	
A-5	J. Lovewell	6:50/12:13	1:04/4:58	
C/E-7	A. Gonzales	6:50/8:12	8:21/8:25 8:43/12:13 1:04/1:12 1:20/4:09 4:46/4:58	
C/E-8	S. St. Martin	6:50/9:21	9:26/12:13 1:04/4:58	
E-6	N. Durovich	6:38/12:27	1:33/6:01	
A-6	M. Turko			
E-9	L. Lumos			
C/E-3	D. Tingue	6:57/12:06	12:43/2:36	
C/E-4	R. Crooks	6:57/12:06	12:43/2:30	
S. Richardson		8:15/8:34		OTS Serv.
Otis Eastern mechanic		8:15/8:22		
Gerald Gardner		8:31/8:36		
Dick Neely A-1		9:56/10:23		
Rick Scutt		10:10/10:35		Shoets Oil Co.
UPS		10:38/10:47		
Vic Black		12:04/12:06		Otis Eastern
UPS		12:57/12:58		
FedEx		15:57/1:03		
Tom Bowan		1:19/3:14		Beam Clean
Charlie Baker		1:25/1:40	4:00/4:06	
visitors for B. McKim		2:49/2:49		
Shawley office equipment		3:04/3:14		for Ebasco
Larry Andersen		3:26/5:18		
UPS.		3:56/3:58		6pc. pickup